

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	II		
Name of the Course	Internship		
Course Code	M24-INT-200		
Course Type	Internship		
Level of the course	400-499		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Get a feel of corporate world CLO 2: Get corporate training CLO 3: Learn practical skills CLO 4: Make internship reports		
Credits	Internal	External	Total
	-	-	4
Teaching Hours per week			
Internal Marks ¹	50		50
External Marks ²		50	50
Max. Marks	100		100

¹ Internal Marks (out of Max. 50 Marks) would be awarded by the mentor of the organization in which student did his/her internship. The marks would be awarded on the basis of his/her **regularity, punctuality, interest shown towards learning skills, dignity of labour, team participation, work experience, and meeting internship objectives**. The topic for the internship project would be given by the mentor keeping in view the area of specialization of the student.

² External Marks (out of Max. 50 Marks) would be awarded by the teacher supervisor through **Viva-Voce based on student's overall internship report**. The teacher supervisor will give the final awards on the basis of score given by the mentor of the organization and his/her own score given to the student. And the same would be uploaded on the university portal.

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Strategic Management		
Course Code	M24-MBA-301		
Course Type	CC-11		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Get awareness about the way strategic thinking shapes the organization. CLO 2: Understand various tools and techniques governing corporate strategy. CLO 3: Comprehend strategic outlook governing corporate sector CLO 4: Comprehend strategic management and business policy in actual practice.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Strategic Management- Meaning, Evolution and significance in contemporary organizations. Strategic Management v/s Business Policy. Strategic Management Process. Levels of Strategy in an Organization.		15
II	Strategic Formulation- Company's Vision, Mission and Objectives. Environmental and Organizational Appraisal- Various Techniques. Strategic Alternatives. Strategic Choices using Matrices like BCG, GE and Shell etc.		15
III	Strategic Implementation- Structural Behavioral and Functional Implementation. Strategic Evaluation and Control- Process and Techniques.		15
IV	Emerging Trends in the field of Strategic Management. Synergic and Sustainable Competitive Advantages using Strategy. New Directions in Strategic Thinking and Leadership.		15

Total Contact Hours		60	
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
1. Jauch and Glueck, Business Policy and Strategic Management, McGraw Hill.			
2. Thompson LA and Stickland AJ, Strategic Management- Concepts and Cases, McGraw Hill.			
3. Kazmi, Azhar, Business Policy and Strategic Management, Tata McGraw Hill.			
4. Kenneth and Andrews, Concepts of Corporate Strategy.			
5. Thompson, Crafting and Executing Strategy, McGraw Hill.			
6. Melvin J Stanford, Management Policy.			

Session: 2025-26**Part A - Introduction**

Name of Programme	MBA		
Semester	III		
Name of the Course	Business Laws and Governance		
Course Code	M24-MBA-302		
Course Type	CC-12		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the importance and various provisions of relating to Contracts.</p> <p>CLO 2: Understand the dynamics of company formation and management.</p> <p>CLO 3: Know in detail the acts governing Information Technology in India</p> <p>CLO 4: Understand laws governing Intellectual Property and Consumer Protection in India.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B - Contents of the Course

Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Indian Contract Act 1872 - Nature and Scope. Essential of a contract and various types of contracts. Formation, performance and discharge of a contract. Legal remedies against a breach of a contract.	15
II	Company Act 2013- Meaning, nature, features and types of company. Formation of a company. Various issues relating to management of a company. Legal remedies against mismanagement of company. Provisions relating to winding up of a company.	15
III	Introduction to E-commerce and need for regulatory framework for E-commerce. Contract v/s E-Contract. IT Act 2000- Nature Scope and Objectives of IT Act 2000. Provisions relating to security issues in E-commerce. Cyberspace, Cybercrime and Cybersecurity.	15

IV	IPR and IP Laws. Patents and Copyrights- Meaning and legal remedies against infringement. Consumer Protection Act 2019- Features and provisions. District, State and National Consumer Forums.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Singh, Avtar, Company Law, Eastern Publications. 2. Tuteja, SK, Business Law for Managers, Sultan Chand. 3. Gupta, Parul, Legal Aspects of Business- Concepts and Applications, EBC Webstore. 4. Pathak, Akhileshwar, Legal Aspects of Business, EBC Webstore. 5. Kuchhal, MC, Business Law, Vikas Publishing House. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Advertising Management		
Course Code	M24-MBA-313		
Course Type	DEC-3		
Level of the course	500-599		
Pre-requisite for the course (if any)	Case Studies, advertisements and articles in this area to be discussed in routine with students in classes.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Comprehend the significance of advertising in acquiring and retaining customers and issues involved in advertising.</p> <p>CLO 2: To make students understand the elements of advertising to design the ads and the role of ad agency in attaining its broad marketing objectives.</p> <p>CLO 3: Devise media plan and make students understand the ad budget and the techniques of budgeting.</p> <p>CLO 4: Learn the techniques of measuring ad effectiveness and new concepts in reshaping the field of advertising.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Understanding advertising: Concept, evolution, purpose and classification. Advertising and society: ethical issues in advertising, social criticism of advertising, Laws in advertising, advertising bodies in India, Advertising objectives and DAGMAR approach		12
II	Brand positioning and advertising, Advertising agency; types, functions and structure of advertising agency, client-agency relationship; Source and message decisions, Building of advertising programme - message, headlines, copy, logo, illustration, appeal, and the layout.		16
III	Media planning and strategy – development of media plan, establishing media objectives, developing and implementing media strategies, evaluation and follow up of media plan; Budgeting- establishment and		18

	allocation and budgeting approaches. Measuring the effectiveness of the promotional program-	
IV	Measuring advertising effectiveness: pre testing, post testing, laboratory tests and field tests. Online advertising: objectives, importance, types and challenges of online advertising, advertising on the internet, social network platforms and measuring effectiveness of internet advertising.	14
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Belch, George E., Belch Michael A. and Purani Keynoor: Advertising and Promotion: An integrated Marketing Communication Perspective, McGraw Hill Education Pvt. Ltd., New Delhi. 2. Jethwaney J. and Jain S.: Advertising Management, Oxford University Press, New Delhi. 3. Batra Rajeev, Myers John G. and Aaker, David A., Advertising Management, Pearson Education, India. 4. Kazmi S. H. H. and Batra S. K., Advertising and Sales Promotion, Excel Books, New Delhi. 		

Session: 2025-26**Part A - Introduction**

Name of Programme	MBA		
Semester	III		
Name of the Course	Investment Management		
Course Code	M24-MBA-323		
Course Type	DEC-3		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Get Acquaintance of the fundamentals of investment management, investing operations, and investment avenues.</p> <p>CLO 2: Analyze and identify securities for investment and trading in Indian markets.</p> <p>CLO 3: Understand, Analyze and apply valuation models to securities price forecasting.</p> <p>CLO 4: Evaluate the intrinsic value of financial asset and analyzing the factors that influence its price in the future.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B - Contents of the Course

Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Investment – meaning and avenues of investment, Concept of risk and return in stock investing: determinants of stock return, nature and sources of investment risk, measurement of underlying risk and return. Investment choices and asset allocation decision – Investment process, individual investor life cycle and asset allocation, security and portfolio approaches, continuous and discrete compounding.	15
II	Organization and functioning of financial markets in India - primary, secondary markets, and financial intermediaries. Listing of securities, securities trading and settlement, investor protection and regulation of securities trading and markets: SEBI guidelines.	15

III	Security evaluation framework: Common evaluation framework for bonds and equities, Random walk theory and Efficient market hypothesis: forms, tests and anomalies, Fundamental analysis – Economic, industry and company analyses.	15
IV	Technical analysis – DOW theory, technical trading tools and underlying rules: Bollinger bands and Fibonacci lines, Moving averages convergence and divergence (MACD) and Relative strength Index (RSI), Volume indicators (VI), Accumulation/Distribution (A/D) and Directional Index (DI). Passives and active investing, investing in fixed income securities: principles and valuation.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
1. Alexander, G.J., Sharpe, W.F. and Bailey, J.V., Fundamentals of Investments, Prentice Hall.		
2. Bodie, Z., Kane, A., Marcus, A.J. and Mohanty, P., Investments, Tata McGraw-Hill.		
3. Chandra, P., Investment Analysis and Portfolio Management, Tata McGraw-Hill.		
4. Elton, E.J. and Gruber, M.J., Modern Portfolio Theory and Investment Analysis, John Wiley and Sons.		
5. Fabozzi, F.J. and Markowiz, H.M., The Theory and Practice of Investment Management:		
6. Graham and Dodd, “Security Analysis Asset Allocation, Valuation, Portfolio Construction, and Strategies”, Wiley.		
7. Fischer, Donald E. and Jordan, Ronald J., Security Analysis and Portfolio Management, Prentice Hall.		
8. Mayo, H.B., Investments: An Introduction, Thomson Asia.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Industrial Relations and Employment Laws		
Course Code	M24-MBA-333		
Course Type	DEC - 3		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the facets of the interactions between employers and employees. To be conversant with various emerging trends in industrial relations.</p> <p>CLO 2: Understand the characteristics, roles and relevance of trade unions. Comprehend several forms and causes of industrial disputes and to understand the legal framework for dispute resolution</p> <p>CLO 3: Understand the need, importance and fundamental principles of labour legislation in India</p> <p>CLO 4: Understand legal provisions of Regulative and Protective Labour Legislations, Social Security Legislations, Wage Related Legislations</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Industrial Relations: Meaning, Nature, Objective and Significance of Industrial Relation; Meaning of Employee Relations and its difference with Industrial Relations; Tripartite Scheme of Industrial Relations; Approaches to the Industrial Relation - Psychological Approach, Sociological Approach, Human Relations Approach, Socio Ethical Aspects, Gandhian Approach, Unitary Approach, Pluralistic Approach; Salient Features of IR in India		15
II	Trade Unions: Definitions , Reasons for formation of trade unions, Characteristics , Functions, Problems faced by Trade unions and future of trade unions; Workers Participation in Management and Collective Bargaining: Meaning and nature, Essential Pre- requisites for collective bargaining, Levels of Collective Bargaining-Plant		15

	Level, Industry Level and National Level, The collective Bargaining Process, Advantages and disadvantages of collective bargaining; ILO and its role - Tripartite approach in industrial relations. Industrial Disputes: Meaning, Cause, Types, Machineries for prevention and solution of Industrial Disputes.	
III	Labour Legislations: Nature, Objectives, Need, Classification/Types of Labour Legislation; Principles of Modern Labour Legislation; Factors Influencing Labour Legislations; New Labour Codes. The Regulative & Protective Labour Legislations: The Trade Unions Act, 1926; The Industrial Disputes Act, 1947, The Industrial Employment (Standing Orders) Act, 1946, The Factories Act, 1948	15
IV	Wage-Related Labour Legislations: The Payment of Wages Act, 1936, The Minimum Wages Act, 1948, The Payment of Bonus Act, 1965. Social Security Labour Legislations: The Workmen's Compensation Act, 1923, The Maternity Benefit Act 1961. Laws Relating to Protection of Women at Workplace: Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Mamoria, C. B., Mamoria, S., & Gankar, S. V. (2012). Dynamics of industrial relations (15th ed.). Himalaya Publishing House. 2. Monappa, A., Nambudiri, R., & Selvaraj, P. (2012). Industrial relations and labour laws (2nd ed.). Tata McGraw-Hill Education. 3. Srivastava, S. C. (2012). Industrial relations and labour laws (6th ed.). Vikas Publishing House. 4. Venkata Ratnam, C. S. (2010). Industrial relations (2nd ed.). Oxford University Press. 5. Sarma, A. M. (2016). Industrial relations: Conceptual and legal framework (2nd ed.). Himalaya Publishing House. 6. Sinha, P. R. N., Sinha, I. B., & Shekhar, S. P. (2017). Industrial relations, trade unions and labour legislation (2nd ed.). Pearson Education India. 7. Gupta, R. C. (2019). Industrial relations and labour laws. Sultan Chand & Sons. 8. Dwivedi, R. S. (2009). Managing human resources and industrial relations. Galgotia Publishing Company. 9. Mishra, S. N. (2002). Labour and industrial laws. Central Law Publications. 10. Kapoor, N. D. (2021). Elements of industrial law. Sultan Chand & Sons. 11. Bare Acts (Latest editions). The Factories Act, 1948; The Industrial Disputes Act, 1947; The Trade Unions Act, 1926; The Payment of Wages Act, 1936. Government of India. 12. Goswami, V. G. (2023). Labour and Industrial Laws (12th ed.). Central Law Agency. 13. Padhi, P. K. (2021). Labour and Industrial Laws (3rd ed.). PHI Learning. 14. Taxmann. (2023). Labour laws in India – A comprehensive guide. Taxmann Publications. 		

15. Kumar, H. L. (2018). Digest of labour cases. Universal Law Publishing.
16. Sharma, J. P. (2020). Simplified approach to labour laws. Bharat Law House.
17. Singh, M. (2017). Labour laws: Everybody should know. Universal Law Publishing.
18. Chhabra, T. N., & Rastogi, N. (2016). Industrial relations and labour laws. Sun India Publications.
19. Jain, D. S. (2015). Industrial and labour laws. Regal Publications.
20. Anand, D. (2022). Handbook on labour & industrial law. Law Publishing House.

Session: 2025-26

Part A - Introduction

Name of Programme	MBA		
Semester	III		
Name of the Course	Business Analysis using Excel		
Course Code	M24-MBA-343		
Course Type	DEC-3		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Turn the Numbers into Better Business Decisions. CLO 2: Know the Professional Tools available for Business Analysts. CLO 3: Learn the Winning Charts for Business Communication. CLO 4: Compare the different Business Scenarios.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B - Contents of the Course

Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions; selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Introduction to Excel: Turning Numbers into Better Business Decisions, The Business Analyst's Excel Toolbox:-Essential Excel for Business Analysis, Professional Tools for Business Analysts.	15
II	Data Management and Organization: Collecting and Managing Business Data, Importing and Exporting Data, Power Functions for Managing Business Data.	15
III	Data Presentation: Communicating the message, meeting Stakeholders and Their Needs, Data Presentation Formats, Winning Charts for Business Communication: Professional Charting, Dynamic Charts.	15
IV	Data Analysis tools: Looking Inside the Data (Analysis): Analyzing Data with Pivot Tables, Comparing Business Scenarios; Data Forecasting: Time Series and Forecasting, Regression.	15
Total Contact Hours		60

Suggested Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
•Class Participation:	5	Written Examination	
•Seminar/presentation/assignment/quiz/class test etc.:	10		
•Mid-Term Exam:	15		

Part C - Learning Resources

Recommended Books/e-resources/LMS:

1. Whigham David, Business Data Analysis Using Excel, Oxford.
2. Winston Wayne, Microsoft Excel data analysis and business modeling, McGraw Hill Education
3. Manohar Hansa Lysander, Data Analysis and Business Modelling Using Microsoft Excel, PHI
4. Fairhurst Danielle Stein, Using Excel for Business Analysis- A guide to Financial Modelling, Wiley Publishing.
5. Day Alastair L. Mastering Financial Modeling in Microsoft Excel, Pearson, 2nd Edition
6. John Walkenbach, Excel 2019 Bible, Wiley Publishing.

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Fundamentals of Entrepreneurship		
Course Code	M24-MBA-353		
Course Type	DEC - 3		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the historical evolution and the present landscape of the Indian startup ecosystem within a global context.</p> <p>CLO 2: Analyze key sectors, market trends, and regional startup hubs to identify entrepreneurial opportunities.</p> <p>CLO3: Evaluate different business models and funding options suitable for the Indian market.</p> <p>CLO 4: Develop an entrepreneurial mindset focused on innovation, risk-taking, adaptability, and continuous learning.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Entrepreneurship: Definitions and myths about entrepreneurship, Role of entrepreneurship in economic development Introduction to the Indian startup ecosystem, Evolution: From IT outsourcing to product-driven innovation, Key milestones (Flipkart, Ola, Paytm, etc.), Government policies & initiatives (Startup India, Digital India) Market Dynamics and sectoral trends, Key sectors: FinTech, HealthTech, Agritech, EdTech, D2C, SaaS, Regional startup hubs (Bengaluru, Hyderabad, Pune, NCR, etc.), Urban vs. Bharat (Tier II & III opportunities)		15
II	Ideation and Problem Identification: Identifying gaps in the Indian market, User-centric problem solving Case studies: Razor pay, Meesho, Dunzo Building a Business Model: Business Model Canvas, Revenue models common in India, Freemium, subscription, aggregator models		15
III	Legal & Regulatory Landscape: Registering a startup in India,		15

	Compliance: GST, MCA, FDI norms, IP, contracts, and founder agreements Product Development and MVP Strategy: Lean Startup methodology, User feedback and iteration, Tech-stack decisions for Indian conditions Funding Landscape in India: Angels, VCs, Incubators, Accelerators, Fundraising stages and timelines, Government and CSR funding initiatives	
IV	Pitching and investor relations: Building a pitch deck, Investor expectations in India, Real-world pitch examples and feedback Failures, pivots and case studies: Learning from failures (Housing.com, TinyOwl), When to pivot or shut down, mental health and founder resilience Capstone Project & Final Presentations: Teams or individuals develop a startup idea, Pitch to a panel (real or simulated investors), Feedback and next steps	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
Reports & Whitepapers:		
1. NASSCOM Startup Reports – Annual reports on the Indian startup landscape ○ https://nasscom.in/		
2. Startup India Action Plan ○ Government's foundational document for policy support ○ https://www.startupindia.gov.in		
3. Hisrich, R. D., & Shepherd, D. A. (2017). <i>Entrepreneurship</i> . McGraw-Hill Education.		
4. Kumar, A. (2012). <i>Entrepreneurship: Creating and leading an entrepreneurial organization</i> . Pearson Education India.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	International Marketing		
Course Code	M24-MBA-363		
Course Type	DEC - 3		
Level of the course	500-599		
Pre-requisite for the course (if any)	Case Studies and articles in this area to be discussed with students in classes.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: To make students understand the dynamics involved in international marketing, trade barriers and modes to enter in foreign markets.</p> <p>CLO 2: Gain useful insights regarding planning and selecting international markets and strategic decisions involved in this process.</p> <p>CLO 3: To make students understand the international marketing mix strategy with product and pricing decisions.</p> <p>CLO 4: Understanding the distribution and promotion strategies in marketing across the national boundaries.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	International Marketing: Nature, benefits and motivations underlying International Trade and International Business; Domestic Marketing versus International Marketing; International marketing orientation-EPRG framework; Trade Barriers- Protectionism, Tariff and non-tariff barriers; Basic modes for entry; Process of International Marketing		16
II	International Marketing Planning: Framework and Process of market planning; Selection process and strategies; Process of marketing Control. Market segmentation, Target market strategies and positioning decisions		14
III	International product policy and planning: International product mix, Product life cycle, product standardization and adaptation. Building brands for foreign markets, labeling and packaging decisions, International pricing		18

	decisions- pricing policies, pricing decisions, Terms of sale, Dumping, Counter Trade and Transfer Pricing	
IV	International Distribution Decisions: International Distribution Channels, International distribution policy, selecting distribution channels; Communicating with the global world- Global advertising and culture, setting global advertising budget, Advertising standardization vs. adaptation, global media decisions,	12
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Sak Onkvisit and John Shaw: International Marketing (Analysis and Strategy), PHI, N. Delhi. 2. Cateora P. R., Graham J. L. and Gilly M. C. : International Marketing, Tata McGraw-Hill 3. Rakesh Mohan Joshi: International Marketing, Oxford University Press. 4. Vern Terpestra and Ravi Sarthy : International Marketing, Thompson. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Consumer Behaviour		
Course Code	M24-MBA-314		
Course Type	DEC-4		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Learn how to get insights on the behaviour of the consumers. CLO 2: Understand the dynamics of consumer decision making CLO 3: Know about various influences on consumer behaviour CLO 4: Understand marketing implications of various concepts relating to Consumer Behaviour.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Basics of Consumer Behaviour - Meaning, Historical Development, Nature, Scope and Significance of its Study for Marketers. Consumer Decision Making and its Marketing Implications. Consumer Research.		15
II	Psychological Influences on Consumer Behaviour with Underlying Marketing Implications- Perception, Personality, Motivation, Learning, Attitude Formation and Change.		15
III	Group and Socio-Cultural Influences on Consumer Behaviour with Underlying Marketing Implications- Reference Group Influences, Family Influences, Culture, Sub-Culture and Social Class Influences.		15
IV	Communicating with Consumers - Diffusion of Innovation- Elements and Marketing Implications. Opinion Leadership- Concept and Marketing Implications. Emerging Trends in the Field of Consumer Behaviour.		15
Total Contact Hours			60

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
1. Schiffman, LG and LL Kanuk, Consumer Behaviour, Pearson Education.			
2. Blackwell, RD, PW Miniard JF Angel, Consumer Behaviour, Cengage Learning India Pvt. Ltd.			
3. Peter, JP and JC Olson, Consumer Behaviour and Marketing Strategy, McGraw Hill.			
4. Handerson, S, Consumer Behaviour in Theory and Action, John Wiley and Sons.			
5. Assel, H, Consumer Behaviour- A Strategic Approach, Houghton Mifflin.			
6. Loudon and A Della, Consumer Behaviour, Tata McGraw Hill.			
7. Hawkins, DL, DLMothersbaugh and Amit Mookherjee, Consumer Behaviour: Building Marketing Strategy, Tata McGraw Hill Education Pvt. Ltd.			
8. Solomon, Michael R, Consumer Behaviour, Prentice Hill.			
9. Harvard Business Review.			
10. Journal of Consumer Behaviour.			

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Banking and Financial Services		
Course Code	M24-MBA-324		
Course Type	DEC-4		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the theoretical and professional disciplines of banking, finance, and the Indian financial ecosystem.</p> <p>CLO 2: Understand the dynamic policy changes of the banking industry including the fintech.</p> <p>CLO 3: Have a practical understanding of the various distribution channels of financial and insurance products for effective marketing.</p> <p>CLO 4: Have a practical understanding of regulatory and compliance mechanisms in the financial services industry.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	<p>Overview of financial services – meaning, nature of financial services, type and importance of financial services in an economy. Growth and evolution of financial services companies in India. Merchant Banking Services: Meaning, types, functions, registration and Code of Conduct.</p>		15

II	Securitization: securitization as a funding mechanism, securitization in India. Merchant banking: nature, scope and the regulation of merchant banking in India. SEBI guidelines for public issues. Equipment leasing – Concept, evolution and classification. Leasing in India: legal aspects, tax consideration, risks in leasing business, lease evaluation from lessee’s and lessor’s perspective.	15
III	Mutual funds (MFs) – evolution, types, regulation, organizational structure and assets under management (AUM) in mutual funds in India. Credit rating – concept, rationale, process, methodology, SEBI regulations for credit rating in India.	15
IV	Consumer finance – role of consumer credit in the financial system, legal framework, credit screening methods in India. Credit cards – concept, types, billing and payment, settlement procedure, mechanism of transactions. Venture capital (VC) – nature, stages, role of venture capital and private equity. Venture capital financing in India with respect to investment process and evaluation criteria.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Bansal, L.K., Merchant Banking and Financial Services, Tata McGraw Hill. 2. Bhole, L.M., Financial Institutions and Markets: Structure, Growth and Innovations, Tata McGraw-Hill. 3. Gurusamy, S., Financial Markets and Institutions, Thompson Learning. 4. Khan, M.Y., Management of Financial Services, Tata McGraw-Hill. 5. Kohn, M., Financial Institutions and Markets, Tata McGraw-Hill. 6. Padmalatha, S., Management of Banking and Financial Services, Sultan Chand and Sons. 7. Sengupta, A.K., International Factoring in India: Issues, Problems and Prospects. 8. Tripathy, N.P., Mutual Funds in India: Emerging Issues, Excel Books. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Compensation and Reward Management		
Course Code	M24-MBA-334		
Course Type	DEC - 4		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: To familiarize the students with the dynamics of Compensation and Reward Management.</p> <p>CLO 2: To analyze and restructure compensation management system, policies and strategies.</p> <p>CLO 3: To familiarize the students with the current trends of Compensation and reward Management</p> <p>CLO 4: To familiarise with the role of various bodies / authorities involved in Compensation and Reward Management.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Compensation and Reward Management: Definition, Goals, Concept of Wages -Minimum Wage, Fair Wage and Living Wage; Theories of Wages & Salary administration; Compensation Philosophies. Wage Differentials and Wage Equity. Components of Compensation Plan: Factor influencing Compensation plan, Importance of an Ideal Compensation Plan, Compensation Management Process.		15
II	Compensation System planning and Design: Designing Pay Level/Pay Grades, Pay Matrix/Mix and Pay Structures. Issues and Challenges. Job Evaluation: Objective, Principles, Procedure & Methods; Compensation Management as a Retention Strategy. Executive Compensation Plans and Package; Strategic perspectives of Reward systems and strategies. Recent		15

	Development in Rewards and Recognition in business organisations	
III	Incentive Schemes: Nature, Importance and drawbacks of Incentive payments, Pre-requisites for an efficient Incentive System, Types of Incentive Schemes, Performance linked Compensation, Variable Performance Linked Pay (VPLP), Employee Stock Option Plan (ESOP); Global Compensation Practices: Issues and Challenges.	15
IV	Pay Commissions & Wage Boards - Pay Commissions and Wage Boards in India. Tax Implications of Employee's Compensation Package. Code on Wages, 2019: Major Provisions of Wage related Legislations.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Armstrong, M. (2021). Armstrong's handbook of reward management practice: Improving performance through reward (6th ed.). Kogan Page. 2. Barry, G. (2013). Total rewards communication handbook. World atWork Press. 3. Bhatia, S. K. (2009). Strategic compensation management. Deep & Deep Publications. 4. Bhattacharyya, D. K. (2020). Compensation management (3rd ed.). Oxford University Press India. 5. Deb, T. (2009). Compensation management: Text and cases. Excel Books. 6. Gerhart, B., & Rynes, S. L. (2003). Compensation: Theory, evidence, and strategic implications. SAGE Publications. 7. Gomez-Mejia, L. R., Balkin, D. B., & Cardy, R. L. (2016). Managing human resources (8th ed.). Pearson Education. (Includes compensation and benefits.) 8. Henderson, R. I. (2006). Compensation management in a knowledge-based world (10th ed.). Pearson Education. 9. Heneman, R. L. (2002). Strategic reward management: Design, implementation, and evaluation. IAP. 10. Martocchio, J. J. (2017). Strategic compensation: A human resource management approach (9th ed.). Pearson. 11. Milkovich, G. T., Newman, J. M., & Gerhart, B. (2022). Compensation (13th ed.). McGraw-Hill Education. 12. Rao, P. L. (2010). Human resource management: Text and cases. Excel Books India. (Includes compensation topics in Indian HRM.) 13. Sharma, A. M. (2016). Understanding wage and compensation system (18th ed.). Himalaya Publishing House. 14. Shields, J. (2016). Managing employee performance and reward: Concepts, practices, strategies (2nd ed.). Cambridge University Press. 15. Srivastava, S. C. (2004). Wage and salary administration. Vikas Publishing House. 16. Torrington, D., Hall, L., & Taylor, S. (2017). Human resource management (10th ed.). Pearson Education. (Sections on pay and reward systems.) 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Social Media Analytics		
Course Code	M24-MBA-344		
Course Type	DEC - 4		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Discuss the importance of Social Media Analytics. CLO 2: Apply appropriate analytic tools to a range of social media data sources. ¹ CLO 3: Examine how different industries across the globe are using social media analytics. CLO 4: Evaluate the effectiveness of different social media campaigns using various analytical tools		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Social Media Analytics (SMA): Social media landscape, Need for SMA; SMA in Small organizations; SMA in large organizations; Application of SMA in different areas; Network fundamentals and models: The social networks perspective - nodes, ties and influencers, Social network and web data and methods. Graphs and Matrices- Basic measures for individuals and networks. Information visualization		15
II	Making connections: Link analysis. Random graphs and network evolution. Social contexts: Affiliation and identity. Web analytics tools and techniques: Click stream analysis, A/B testing, online surveys, Use of Google Analytics; Web crawling and Indexing; Natural Language Processing Techniques for Micro-text Analysis.		15
III	Facebook Analytics: Introduction, parameters, demographics. Analyzing page audience. Reach and Engagement analysis. Post-performance on FB, Use of Facebook Business Manager; Social Campaigns: Measuring and Analyzing social campaigns, defining goals and evaluating outcomes, Network Analysis. (LinkedIn, Instagram, YouTube Twitter etc.) Sentiment Analysis		15
IV	Processing and Visualizing Data, Influence Maximization, Link Prediction, Collective Classification. Applications in Advertising and Game Analytics. (Use of tools like Unity30 / PyCharm) Introduction to Python Programming, Collecting and analyzing social media data; visualization and exploration.		15

Total Contact Hours		60	
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
<ol style="list-style-type: none"> 1. Bansal, A. (2021). Social media analytics: Techniques and insights for extracting business value out of social media. BPB Publications. 2. Blanchard, Oliver. Social Media ROI: Managing and Measuring Social Media Efforts in Your Organization, Que Publishing (Latest edition) Que Biz-Tech 3. Dey, L. (2021). Big data and social media analytics: Emerging trends and practical applications. SAGE Publications India. 4. Ganis, Matthew & Kohirkar, Avinash (2016). Social Media Analytics: Techniques and Insights for Extracting Business Value Out of Social Media. Pearson Education. 5. Gonsalves, Alex (2017) Social Media Analytics Strategy, Appress (1st Edn) 6. Hansen, D. L., Shneiderman, B., & Smith, M. A. (2010). Analyzing social media networks with NodeXL: Insights from a connected world. Morgan Kaufmann. 7. Khan, G. F. (Ed.). (2020). Social media for government: Theory and practice. Routledge. (Includes real-world analytical frameworks.) 8. Kumar, V. (2020). Social media analytics: Concepts and applications. Cengage Learning India. 9. Marshall, D. (2014). Social media analytics: Effective tools for building, interpreting, and using metrics. Alchemy Networks. 10. Matthew, D., & Azevedo, M. (2020). Social media analytics: Using data to understand public conversations. SAGE Publications. 11. Mishra, R. K. (2020). Social media and web analytics. University Science Press. 12. Quesenberry, K. A. (2020). Social media strategy: Marketing and advertising in the consumer revolution (2nd ed.). Rowman & Littlefield. 13. Russell, M. A. (2013). Mining the social web: Data mining Facebook, Twitter, LinkedIn, Google+, GitHub, and more (2nd ed.). O'Reilly Media. 14. Saura, J. R. (2021). Using data mining techniques in social media analytics. IGI Global. 15. Segaran, T., & Hammerbacher, J. (2009). Beautiful data: The stories behind elegant data solutions. O'Reilly Media. (Includes real-life applications of social media analytics.) 16. Sharda, R., Delen, D., & Turban, E. (2023). Analytics, data science, and artificial intelligence: Systems for decision support (12th ed.). Pearson. (Includes a dedicated section on social media analytics.) 17. Sharma, R. S., & Jain, P. (2021). Data analytics with R and Python for social media. Khanna Publishing. 18. Singh, A., & Kumar, A. (2019). Social media marketing and analytics. Wiley India. 19. Sterne, Jim. Social Media Metrics: How to Measure and Optimize Your Marketing Investment, Wiley Latest edition. 20. Tuten, T. L., & Solomon, M. R. (2017). Social media marketing (3rd ed.). SAGE Publications. 21. Zarrella, D. (2010). The social media marketing book. O'Reilly Media. (Contains sections on metrics and analysis.) 22. Zhao, Y., & Zhan, J. (2019). Social media mining and analytics. Wiley. 			

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Social Entrepreneurship		
Course Code	M24-MBA-354		
Course Type	DEC - 4		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the historical evolution and the present landscape of the Indian startup ecosystem within a global context.</p> <p>CLO 2: Analyze key sectors, market trends, and regional startup hubs to identify entrepreneurial opportunities.</p> <p>CLO3: Evaluate different business models and funding options suitable for the Indian market.</p> <p>CLO 4: Develop an entrepreneurial mindset focused on innovation, risk-taking, adaptability, and continuous learning.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to Social Entrepreneurship: Definitions, global relevance and triple bottom line, The social entrepreneur's mindset- Entrepreneurial behavior, personal leadership, purpose driven strategy		15
II	Design thinking for social innovation, What is design thinking? Phases: Empathize, Define, Ideate, Prototype, Test, Relevance for social change and community development Stakeholder engagement and community development: Stakeholder analysis matrix, Community co-creation models, Managing conflict in multi stakeholder environment Case Example: Araku Coffee (India) – working directly with tribal communities.		15
III	Legal Structures for Social Purpose Organizations (India & Global) Differences: NGO vs. Trust vs. Society vs. Section 8 Company (India) Process of Registering an NGO or Trust (India-specific) Trust Deed creation, Memorandum of Association, Documentation,		15

	<p>registration offices, common mistakes, PAN, 80G, 12A, and FCRA certifications</p> <p>Governance and Accountability in NGOs</p> <p>Board structure, roles, and ethical responsibilities, Transparency, annual reports, audits, and disclosures, Donor reporting and community accountability</p> <p>Fundraising and Resource Mobilization</p> <p>Grant writing, CSR funding, crowd funding platforms, In-kind contributions and volunteer engagement</p>	
IV	<p>ESG: Origins, key definitions, ESG vs. CSR vs. sustainability</p> <p>Environmental, social and governmental metrics, social return on investment</p> <p>PPP models (Build-Operate-Transfer, social impact bonds), Policy entrepreneurship, Role of multilateral agencies (UNDP, World Bank)</p> <p>Failures in Social Entrepreneurship: Mission drift, Over-dependence on donors, Operational scalability issues</p>	
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Bornstein, D., & Davis, S. (2010). <i>Social entrepreneurship: What everyone needs to know</i>®. Oxford University Press. 2. Ziegler, R. (2011). <i>An introduction to social entrepreneurship</i>. Edward Elgar Publishing. 3. Martin, R. L., & Osberg, S. (2015). <i>Getting beyond better: How social entrepreneurship works</i>. Harvard Business Review Press. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	India's Foreign Trade and Policy		
Course Code	M24-MBA-364		
Course Type	DEC - 4		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the status, composition, and trends of India's foreign trade.</p> <p>CLO 2: Know the foreign trade policies and institutional support for foreign trade.</p> <p>CLO 3: Understand the role of EXIM bank of India and ECGC in foreign trade.</p> <p>CLO 4: Understand the impact of WTO on India's trade policy.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	India's Foreign trade in the Global context, structure and Equilibrium of India's Balance of Payments, Recent trends in India's foreign trade, Directional Pattern: Major export commodities- thrust area commodities- their trend, problems and prospects, Major import commodity Groups.		15
II	Trade Regulation in India, Foreign trade (Development and Regulation) Act, Foreign Exchange Management, Present Export-Import Policy, Export Promotion Policies, EPCG, DEPB, Duty Draw Back Scheme, Export incentives, Financial and Fiscal.		15

III	The Role of EXIM Bank of India, ECGC, Infrastructure support for Export promotion, Export Promotion Councils, Commodity Boards/Product Export Development Authorities, Specific Service Institutions.	15
IV	Role of State Trading Organizations, Export Processing Zones, Special Economic Zones, Agriculture Export Zones, Clusters, Export Oriented Units and Export Trading House Schemes, Impact of WTO on India's Trade Policy.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. Bhalla, V.K. International Business Environment and Management, 8thed, Delhi, Anmol, 2001. 2. Jain, S.K.: Export performance and Export Marketing Strategies, Commanwealth Pub., Delhi, 1988. 3. Export- Import Policy, Naleh Publications. 4. Paras Ram: Export: What Where and How, Delhi, Anupam Publication. 5. Bhattacharya B. International Marketing Management, Subhash Chand & Sons. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Digital and Social Media Marketing		
Course Code	M24-MBA-315		
Course Type	DEC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the fundamentals, scope, tools, and ethical aspects of digital marketing</p> <p>CLO 2: Apply SEO, SEM, and social media strategies to build digital marketing campaigns</p> <p>CLO 3: Analyze digital consumer behavior and make strategic marketing mix decisions.</p> <p>CLO 4: Utilize websites, mobile platforms, and analytics tools to enhance digital marketing effectiveness.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction of Digital Marketing: Meaning & Characteristics. Difference between Digital and Traditional Marketing. Scope of Digital Marketing. Tools used for Digital Marketing, Digital Marketing Environment Analysis, Digital Marketing and Branding, Ethical and Legal Issues in the field of Digital Marketing.		12
II	Introduction to SEO; understanding search engines, basics of keyword search, On-page and off-page SEO. Search Engines Marketing; Digital advertising, Search engine advertising. Social Media Marketing: Facebook Marketing, LinkedIn Marketing, Instagram and Snapchat, Digital Marketing Strategy Formulation and Execution.		18
III	Understanding Digital Consumer Behavior: Consumer Characteristics and profiles, Information Search Behavior, Factors Influencing Consumption Behavior, Purchase Decision Process, Post Purchase Behavior and Management. Digital Marketing Mix Decisions- Product,		15

	Price, Distribution and Promotion. Digital Market Segmentation, targeting & Positioning.	
IV	Digital Marketing Mechanisms: Websites- Company and Retail Service Providers, Video Hosting and Entertainment- Youtube, Wimeo, Netflix etc., Mobile Phones and Applications, E-mails, Blogs, Web Analytics: Key metrics, Types of tracking codes, Mobile analytics.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
1. Puneet Bhatia, Fundamental of Digital Marketing, Pearson Education (2017)		
2. Seema Gupta, "Digital Marketing", McGraw Hill Education, New Delhi.		
3. Philip Kotler, Hermawan Kartajaya, Iwan Setiawan - Marketing 4.0_ Moving from Traditional to Digital-Wiley (2016)		
4. Ryan Deiss and Russ Henne berry. Digital Marketing for Dummies (2017)		
5. Jason McDonald, Social media marketing workbook: how to use social media for business. JM Internet Group (2016)		
6. Dan Zarrella - The Social Media Marketing Book-O'Reilly Media (2009)		

Session: 2025-26**Part A - Introduction**

Name of Programme	MBA		
Semester	III		
Name of the Course	Risk Management and Insurance		
Course Code	M24-MBA-325		
Course Type	DEC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand insurance risk metrics for risk hedging.</p> <p>CLO 2: Understand dynamics of insurance contracts and provisions as the features of property-liability insurance, life and health insurance.</p> <p>CLO 3: Develop analytical skills for assessing insurance product cost and pricing, marketing, and distribution.</p> <p>CLO 4: Understand risk management in volatile ecosystem and environment for risk hedging and value generation.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B - Contents of the Course

Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Evolution, growth and organizational structure of banking in India, Salient provisions of Banking Regulation Act, 1949, Bank Nationalization, restructuring and consolidation. Debt restructuring and NPAs, Banking prudence, capitalization and Basel norms.	15
II	Organization and structure of Insurance for risk transfer and financial intermediation: Insurable interest and insurance principles for life, marine, fire insurance. Role of insurance Companies in financial stabilization, nation building and infrastructure development, Salient features of Insurance Regulation and Development Authority (IRDA) Act, 1999.	15

III	An overview of operations and performance of public, private and foreign insurance companies in India. Insurance density, penetration and affordability of generic insurance products, schemes and plans in India for life and general purpose insurance. Annuities and its roles in insurance product designing and risk mitigation. Distribution channel in Insurance: Individual Agents-Appointment, functions, code of conduct and remuneration; Claims settlement in Life Insurance and General Insurance.	15
IV	Risk and its Management, Objectives of Risk Management, Risk Identification and Measurement, Risk Pooling Arrangements and Diversifications, Process of Risk Management. Risk Aversion and Risk Management of Individuals and Corporations, Risk Management and Shareholder's Wealth. Analytical tools used in Corporate Risk Management: DOW Index, Fault Tree, Event Tree, Hedging with Derivative Contracts, Risk Pricing. Process of Risk Control, Loss Prevention, Techniques of Risk Retention and Reduction.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
1. Nalini PraveTripathy, Prabir Pal, 'Insurance theory and practice' TMH 2007.		
2. M.N. Mishra, Insurance, Vikas Publication.		
3. Harrington and Mehaus : Risk Management and Insurance, Tata Mcgraw Hills		
4. George Rejda: Principles of Risk Management and Insurance		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Talent Acquisition and Performance Management		
Course Code	M24-MBA-335		
Course Type	DEC - 5		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the talent management process, talent management systems, and challenges in developing and retaining talent.</p> <p>CLO 2: Provide a comprehensive conceptual and practical insight to the entire cycle of performance appraisal and management including the ethical issues</p> <p>CLO 3: Describe the concept of potential appraisal, its determinants and steps in process.</p> <p>CLO 4: Explain the methods of performance appraisal, and comprehend the performance related problems</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	<p>Talent Management: Basic foundations of Talent Management, Leveraging Talent, Talent Value Chain, Talent Management Process, Talent Management System: Components and benefits of Talent Management System and challenges in developing TMS.</p> <p>Talent Planning - Concept, succession management process, Integrating succession planning and career planning, designing succession planning program, talent development budget, contingency plan for talent; building a reservoir of talent</p>		15
II	<p>Developing and Retaining Talent – Importance, Potential identification and development, integrating coaching, Employee Retention- motivation and engagement, Evolution of Talent Development Strategy. Developing Talent Management Information System. Global Talent Management. Developing Leadership Talent. Managing Diverse Talent. Managing Virtual Talent. Talent Analytics</p>		15
III	<p>Performance Management: Conceptual Framework. Approaches for defining performance. Performance Appraisal and Potential Evaluation: Meaning, features, methods, appraisal forms and formats, features of potential appraisal, indicators of employee potential, steps</p>		15

	in potential appraisal. Performance Measurement: classification of metrics: types of metrics, characteristics of performance metrics and managing metrics. Approaches for measuring Organizational Performance: Balanced scorecard, European foundation for quality management (EFQM) model, Economic value added (EVA) model and traditional financial measures; Key Indicators for measuring Financial Performance and Non-Financial Performance analysis; Job analysis in performance management system.	
IV	Performance Management and Development: Personal development plan (PDP), 360-degree feedback and BARS as development tool. Performance management and pay. Performance management for teams; and performance evaluation. Performance problem solving: Overview of performance problems, managing underperformers, handling problems at performance review meeting. Ethical issues and dilemmas in Performance Management, Performance Management in Multinational Corporations.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> Janson, Kimberley (2015). Demystifying Talent Management: Unleash People's Potential to Deliver Superior Results. Maven House Press. Kermally, Sultan (2004). Developing and Managing Talent: A blueprint for business survival. Thorogood Press (Acorn Magazines Ltd.) Rugg-Gunn, Mike (2024). Managing Talent: A short guide for the Digital age, Routledge (Taylor and Francis Group). Cappelli, P. (2008). Talent on demand: Managing talent in an age of uncertainty. Harvard Business Press. Collings, D. G., Scullion, H., & Vaiman, V. (Eds.). (2015). Talent management of self-initiated expatriates: A neglected source of global talent. Palgrave Macmillan. Collings, D. G., Mellahi, K., & Cascio, W. F. (Eds.). (2017). The Oxford handbook of talent management. Oxford University Press. Lewis, R. E., & Heckman, R. J. (2006). Talent management: A critical review. Human Resource Management Review, 16(2), 139–154. https://doi.org/10.1016/j.hrmr.2006.03.001 Silzer, R., & Dowell, B. E. (Eds.). (2009). Strategy-driven talent management: A leadership imperative. Jossey-Bass. Rao, T. V. (2004). Performance management and appraisal systems. New Delhi: Response. Somuendra Narain (2013), Performance Management, Cengage learning publication (2nd edition) Armstrong, M., & Taylor, S. (2023). Armstrong's handbook of performance management: An evidence-based guide to delivering high performance (7th ed.). Kogan Page. Aguinis, H. (2019). Performance management (4th ed.). Chicago Business Press. Pulakos, E. D. (2009). Performance management: A new approach for driving business results. Wiley-Blackwell. Grote, D. (2011). How to be good at performance appraisals: Simple, effective, done right. Harvard Business Review Press. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Business Data Mining		
Course Code	M24-MBA-345		
Course Type	DEC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the concept of data warehousing. CLO 2: Learn the process of data mining. CLO 3: Integrate the Data Mining System with a Data Warehouse. CLO 4: Know about the various data mining methods.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions; selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Data warehousing Components: Building a Data warehouse, Mapping the Data Warehouse to a Multiprocessor Architecture; DBMS Schemas for Decision Support: Data Extraction, Cleanup, and Transformation Tools; Metadata.		15
II	DATA MINING: Introduction, Data, Types of Data, Data Mining Functionalities, Interestingness of Patterns, Classification of Data Mining Systems: Data Mining Task Primitives.		15
III	Integration of a Data Mining System with a Data Warehouse, Issues; Data Pre processing. Mining Frequent Patterns, Associations and Correlations		15
IV	Mining Methods: Mining various Kinds of Association Rules, Correlation Analysis, Constraint Based Association Mining, Classification and Prediction; Basic Concepts : Decision Tree Induction , Bayesian Classification, Rule Based Classification		15
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	

• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
1. Pang-Ning Tan, Michael Steinbach and Vipin Kumar, Introduction to Data Mining, Person Education.		
2. K.P. Soman, Shyam Diwakar and V. Aja, Insight into Data Mining Theory and Practice, Eastern Economy Edition, Prentice Hall of India.		
3. G. K. Gupta, Introduction to Data Mining with Case Studies, Eastern Economy Edition, Prentice Hall of India.		
4. Daniel T.Larose, Data Mining Methods and Models, Wiley-Inderscience.		
5. Shmueli, Bruce, Yahav, Patel, Lichtendahl Jr.,Data Mining for Business Analytics, Wiley Publishing.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Family Business Management		
Course Code	M24-MBA-355		
Course Type	DEC - 5		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand various concepts relating to family business. CLO 2: Role of trust and commitment in family business. CLO 3: Understand the factors contributing to sustainable family businesses. CLO 4: Governance and conduct of family businesses		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Family Business: nature, importance and uniqueness of family business; families in business: building trust and commitment (through case discussion)		15
II	Ownership of an enterprise build to last including assessment of different forms of business organizations: Sole Proprietorship, Partnership, LLP, Joint Stock Companies, HUF and OPC.		15
III	Leadership imperatives for family and business: succession and continuity power. Best practices for the management and governance of family business: creating the strategy: planning the estate. Financial considerations and valuation of family business;		15
IV	Family business governance: Advisory boards and board of directors. Family communication: family meetings, family councils and family offices; change, adaptation and innovation: the future of family business.		15
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		

•Mid-Term Exam:

15

Part C - Learning Resources

Recommended Books/e-resources/LMS:

1. Poza, Ernesto J (2009); family-owned Business, Cengage learning
2. Wickham, Phillip A (1998); Strategic Entrepreneurship, Pitman, UK.
3. Shukla, MB, (2011), Entrepreneurship and Small Business Management, Kitab Mahal, Allahabad
4. Hill, Michal A., Inland Durama R et al, Strategic Entrepreneurship: Creating a New Mindset, Blackwell Publishers, Oxford.

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Foreign Exchange Management		
Course Code	M24-MBA-365		
Course Type	DEC - 5		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Demonstrate an understanding of foreign exchange trading, settlement processes, exchange rate mechanisms, and associated risk management strategies.</p> <p>CLO 2: Understand fundamental concepts and principles related to international financial flows.</p> <p>CLO 3: Apply risk management tools and techniques to hedge against foreign exchange risk.</p> <p>CLO 4: Analyze the practices and regulatory framework of foreign exchange management in India.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	International Monetary Systems: Bretton Woods institutions and forex market structure and participants. Foreign exchange quotations: Direct and indirect. Convertibility of Rupee, current account convertibility and capital account convertibility.		15
II	Exchange rate: meaning, Spread, official and free market rates, cross currency rates, forward rates. Exchange rates determination theories, factors affecting exchange rate determination, flexible vs. fixed exchange rates, Liquidity and exchange rate stabilization policies, Relation between the interest rate, inflation and exchange rates: Fisher effect.		15
III	Foreign Exchange Risk and Exposure: Techniques for the Measurement and Management of Currency Risk and Exposure, parameters and constraints of Exposure Management. Forecasting Exchange Rates: Techniques of forecasting Exchange Rates.		15
IV	Tax treatment of Foreign Exchange gains and losses. Foreign Exchange		15

Control in India, RBI guidelines, Salient features of FEMA.			
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
1. Shapiro, Alan C.: Multinational Financial Management, PHI., New Delhi.			
2. Apte P.G.: International Financial Management, TMH, New Delhi.			
3. Saran (V): International Financial Management, PHI. New Delhi			
4. Chaudhary, B.K.: Financing of Foreign Trade and Foreign Exchange.			

Session: 2025-26			
Part A – Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Marketing Research and Analytics		
Course Code	M24-MBA-316		
Course Type	DEC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)	MS Excel and SPSS Software		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Identify and formulate marketing research problems and apply appropriate research designs for data collection and analysis.</p> <p>CLO 2: Utilize measurement and scaling techniques, sampling methods, and statistical tools like SPSS for marketing research analysis.</p> <p>CLO 3: Apply marketing analytics concepts and leverage MS Excel tools such as pivot tables to organize and summarize marketing data.</p> <p>CLO 4: Analyze revenue and demographic data using advanced Excel functions like GETPIVOT, report filters, and cross-tabulations for strategic decision-making.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to marketing research: concept, classification and marketing research process; Defining the marketing research problem and developing an approach; Marketing research design: exploratory research, descriptive research and experimental research designs.		15
II	Measurement and scaling techniques; Sampling design: sampling techniques, sample size determination; Marketing research tools and methods through SPSS: conjoint analysis, cluster analysis, factor analysis, correlation and regression; Report preparation and presentation.		20
III	Introduction to marketing analytics: definition, need and Scope of marketing analytic; Marketing Analytics Vs Marketing Research;		15

	Levels in marketing analytics; Adoption and application of marketing analytics; MS Excel as a tool for conduction of marketing analytics; Using MS Excel to organize and summarize marketing data: creation of pivot tables and organizing data.	
IV	Summarizing Revenue Data: Month-wise and Product-wise; slicing & dicing of data: pareto principle, report filters and slicers; Demographic analysis: analyzing sales data by age, gender, income and location, construction of crosstabs of two demographic variable; Using GETPIVOT Function for Pulling Data; Adding Data Labels and Data Tables.	10
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> Cooper, Donald R and Pamela S Schindler, Marketing Research- Concepts and Cases, Tata McGraw Hill Publishing Company Limited, New Delhi. Malhotra, Naresh K and S Dash, Marketing Research- An Applied Orientation, Pearson. Seema Gupta & Avadhoot Jathar, Marketing Analytics, Wiley, 2021. Wayne L. Winston, Marketing Analytics: Data Driven Techniques with Microsoft Excel, 2014. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Project Planning and Management		
Course Code	M24-MBA-326		
Course Type	DEC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the concepts of project management for planning to execution of projects.</p> <p>CLO 2: Comprehend the fundamentals of contract acquisition, administration, costing and the budgeting.</p> <p>CLO 3: Understand the feasibility analysis of project management and network analysis tools for cost and time estimation.</p> <p>CLO 4: Make them capable to analyze, apply and appreciate contemporary project management tools and methodologies</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Theoretical foundations for capital expenditure decisions, Project ideation and idea generation, Screening of Project Idea. Feasibility study, Market and demand analysis. Technical analysis, financial estimation and projections.		15
II	Financing of Projects: Investment criteria, term financing and consortium lending, sovereign funds, Venture capital and the PPP, BOT and TOT models. Project risk analysis: firm risk and market risk identification and estimation. Multiple Projects: Cash flow estimation, risk mitigation and constraints.		15
III	Network Techniques for Project Management: critical review of PERT and CPM, Time-cost overruns and project review. Legal, tax and regulatory considerations.		15

IV	Social cost and benefit analysis (SCBA), Environment impact assessment and appraisal, Manpower planning and human aspects in project management.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
1. Chandra, Prasanna: Projects: Preparation, Appraisal, Budgeting and Implementation, 3 rd ed., New Delhi, Tata McGraw Hill, 1987.		
2. Kerzner, H. (2017). <i>Project Management: A Systems Approach to Planning, Scheduling, and Controlling</i> (12th ed.). Wiley.		
3. Horine, G. M. (2022). <i>Project Management Absolute Beginner's Guide</i> (5th ed.). Pearson Education.		
4. Anbanandam, R., Meredith, J. R., & Shafer, S. M. (2023). <i>Project Management: A Managerial Approach</i> (11th ed., Indian Adaptation). Wiley India.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Human Resource Metrics and Analytics		
Course Code	M24-MBA-336		
Course Type	DEC - 6		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <p>CLO 1: Develop an understanding of the concept of HR Analytics, HR Metrics, HR Scorecard, and HR Benchmarking.</p> <p>CLO 2: Acquaint with various applications of HR Analytics in business decisions</p> <p>CLO 3: Explain the various HR analytical frameworks, HR Models, HR Data and its governance</p> <p>CLO 4: Describe the usage of predictive analytical techniques in HR decision optimizations</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to HR Analytics: Concept, Perspectives, Evolution. Need of HR Analytics, Changing HR Dynamics. Application of HR Analytics. HR Metrics (Workforce Planning Metrics, Recruitment Metrics, Optimizing Selection and Promotion Decisions, Training & Development Metrics, Compensation & Benefits Metrics, Employee Relations & Retention Metrics.). HR Scorecard. HR Benchmarking		15
II	Preparation for HR Analytics: Identify the Purpose/Aims and Scope of Analytics, Devise Methodology for using it, preparing for an analytics Unit, Developing an Analytics Culture in business organizations. Pre-requisites of HR Analytics: Engaging with Stakeholders, Coaches, Technological Know-how, Build Analytics Team, Involvement of Consultant and Coaches. Developing HR Analytics Culture: Importance of Leadership; Overcoming Resistance to HR Analytics; Communicate with Storytelling and Visualization.		15

III	Tools for HR Analytics: Technology Options (On-Premise or Cloud Based), Software as a Service (SaaS). Components of Analytic Technology (HRIS, HR data warehouse, Reporting Technology, Statistical Analysis & Machine Learning Technology, Visualization Technology such as Power BI, Tableau, Cognitive Technology) Data Collection: Source of Data, Common Data Challenges and Solutions, Tidying the Data HR Analytics Modelling: Details of Analytics Design Framework, Data Analysis Question Types, Building Models, Supervised and Unsupervised Learning Methods.	15
IV	Applications: Case Studies on Applications of HR Analytics in the areas of Diversity, Employee Attitude Surveys/Workforce Perceptions, Employee Engagement, Prediction of Employee Turnover, Predicting Employee performance, Recruitment and Selection Analytics, Monitoring the Impact of Interventions: Predictive Modelling Scenarios and Business Cases. Future of HR Analytics: New Opportunities & Challenges, Emerging Data Sources, and Evolving Technology such as Artificial Intelligence	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Bassi, L., McMurrer, D., & Christensen, M. (2012). HR analytics handbook. McBassi & Company. 2. Bhattacharyya, Dipak Kumar (2023). HR Analytics: Understanding Theories and Applications (2nd Edition). Wiley India 3. Diez, Fermin, Bussin, M. & Lee, V. (2020) Fundamentals of HR Analytics: A Manual on Becoming HR Analytical, Emerald Publishing 4. Edwards M. R, Edwards, K. and Jang, D. (2024) Predictive HR Analytics: Mastering the HR Metric(3rd Edition), Kogan Page 5. Edwards, M. R., & Edwards, K. (2016). Predictive HR analytics: Mastering the HR metric. Kogan Page. 6. Fitz-enz, J. (2010). The new HR analytics: Predicting the economic value of your company's human capital investments. AMACOM. 7. Fitz-enz, J., & Mattox, J. R. (2014). Predictive analytics for human resources. Wiley. 8. HR Analytics: The What, Why and How, Tracey Smith. WILEY & SAS Business) 9. Pease, G., Beresford, B., & Walker, L. (2014). Optimizing talent with HR analytics: Advanced strategies for predicting and improving performance. Wiley. 10. Sesil, J. C. (2020). Applying advanced analytics to HR management decisions: Methods for improving workforce planning and resource allocation. Palgrave Macmillan. 11. Soundararajan, Ramesh & Singh, Kuldeep (2023) Winning On HR Analytics: Leveraging Data for Competitive Advantage. Atlantic Publishers 12. Uppal, Nishant (2020) Human Resource Analytics. Pearson Education India. 13. Marr, B. (2018). Data-driven HR: How to use analytics and metrics to drive performance. Kogan Page. 14. Guenole, N., Ferrar, J., & Feinzig, S. (2017). The power of people: How successful organizations use workforce analytics to improve business performance. FT Press. 		

15. Human resource analytics: Strategic decision making by Nishant Uppal, Pearson.

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Data Analytics using R		
Course Code	M24-MBA-346		
Course Type	DEC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Learn the basics of R programming including installation, package handling, data types, and working with data and databases.</p> <p>CLO 2: Understand how to explore and describe data using data frames, summary functions, and regression techniques in R.</p> <p>CLO 3: Apply decision trees, time series analysis, and clustering methods in R to uncover patterns and trends in data.</p> <p>CLO 4: Analyze association rules, perform text mining, and explore parallel computing techniques using R packages.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to R: Introduction, Downloading and Installing R, IDEs and Text Editors, Handling packages in R; Getting started with R: Working with Directory, Data types in R, Few commands for data exploration; Loading and Handling Data in R: Expressions, variables and functions, Vectors, Matrices, Factors, List, Methods for reading data, Using R with database and business intelligence systems.		15
II	Exploring Data in R: Data frames, R functions for understanding data in data frames, Load data frames, Descriptive statistics; Linear Regression using R: Introduction, Model fitting, Assumptions of Linear regression; Logistic Regression: Basic concepts of logistic regression, Binary		15

	logistic regression, Multinomial logistic regression.	
III	Decision tree: Introduction, Decision tree representation in R, Appropriate problems for decision tree learning; Times series in R: Basic concepts of times series data, Reading times series data, plotting times series data, Decomposing time series data; Clustering: Basic concepts of clustering, Hierarchical clustering, k-means basics, CURE algorithm.	15
IV	Association Rules: Introduction, Association rule, Rule evaluation metrics, Brute-force approach, two-step approach, Apriori algorithm, Data structure overview; Text Mining: Introduction, Challenges in text mining, Text mining vs. data mining, Text mining in R; Parallel Computing with R: Key concepts of parallel computing, packages for parallel computing.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
1. Acharya, S, Data Analytics using R, McGraw Hill Education.		
2. Kabacoff, RI, R in action: Data analysis and graphics with R, Manning Publications.		
3. Matloff, N, The art of R programming: A tour of statistical software design, No Starch Press.		
4. James, G, Witten, D, Hastie, T and Tibshirani, R, <i>An introduction to statistical learning with applications in R</i> , Springer.		
5. Wickham, H, and Golemund, G, R for data science: Import, tidy, transform, visualize, and model data. O'Reilly Media.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	New Venture Creation and Management		
Course Code	M24-MBA-356		
Course Type	DEC - 6		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Get basic understanding regarding the concept of creativity and innovation. CLO 2: Promote idea generation by learning the sources and techniques of ideas. CLO 3: Recognize Opportunity and map idea with opportunity. CLO 4: Get an insight regarding innovative strategies for business creation.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Nature and Dimensions of International Strategic Management. Domestic versus International Strategic Management, Functions of International Strategic Planning. Pre requisites and Complexities of International Strategy		15
II	Entrepreneurship Development in emerging markets: types of start-ups, entrepreneur as a career option, International entrepreneurship, role of educational institutions, Entrepreneurial leadership: leader Vs manager; principle centered leaders, entrepreneurial leadership and components, Creativity: concept, creativity and entrepreneurship, blocks to creativity, Unblocking Creative Potential ,characteristics of creative people, Creativity Techniques (Brainstorming; lateral Thinking; Forced Relationship.		15
III	Innovation: opportunity, creating, shaping, recognizing and seizing. Idea generation: sources & techniques of ideas. Idea to opportunity mapping: meaning, process, recognition, sources of opportunity; business opportunities with specific reference to Indian economy.		15

IV	Assessing business potential of an idea; steps involved in tapping opportunity, Strategies for Innovation. Creativity in start-ups: case studies and Business plan presentation.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
1. Kumar, Arya (2012). Entrepreneurship: Creating and Leading an entrepreneurial Organization. Pearson, India.		
2. Timmons, Jeffrey A and Spinelli, Stephen (2007), New Venture Creation: Entrepreneur for the 21st century, McGraw Hill, seventh edition, New Delhi.		
3. Sahay A., A. Nirjar (2006), Entrepreneurship: Education, Theory and Practice, Excel Books, New Delhi.		
4. Zenas Block and Ian C Macmillan, Corporate Venturing, Harvard Business School Press, Boston.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	International Logistics		
Course Code	M24-MBA-366		
Course Type	DEC - 6		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Develop an understanding of the key concepts applied in global logistics and supply chain management.</p> <p>CLO 2: Elucidate the use of IT, inventory management systems, to improve the efficiency of supply chain management.</p> <p>CLO 3: Learn about shipping, multimodal transportation and CONCOR and role of intermediaries in international logistics system.</p> <p>CLO 4: Understand the inventory controls methods and logistics calculation methods.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Marketing Logistics: Concept, Objective and Scope, System Elements–Relevance of logistics in International Marketing, International supply chain management and Logistics. Role of IT in logistics Transportation activity- Internal transportation, Inter-state goods movement. Concept of customer service.		15
II	General Structure of Shipping, Characteristics, Linear and Tramp Operations, Code of Conduct for Linear Conference, Freight Structure and Practices, Chartering Principles and Practices		15
III	Developments in Ocean Transportation- Containerization, CFS and ICD, Dry Ports, Multi-Modal Transportation and CONCOR, Role of Intermediaries Including Freight Booking, Shipping Agents, C & F Agents, Ship Owner and Ship Consultation Arrangements, International Air transport: International Set up for Air Transport, Freight Rates, India's Export and Import by Air- Problems and Prospects, Port System and Sub-System: Port Organization and Management,		15

	Responsibilities of Port Trust: Growth and Status of Ports in India, Carriage of Goods-Legal Aspect.	
IV	Inventory Control and Warehousing: Inventory Management- Concepts and Application to International Marketing, Significance and Types of Warehousing Facilities, Total Cost Approach to Logistics	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
1. Annual reports of CONCOR.		
2. Khanna, K.K., Physical Distribution, Himalaya Publishing, Delhi		
3. Lambert, D et al, Strategic logistics Management, Tata Mc Graw Hill, New Delhi		
4. Desai, H.P., Indian Shipping Perspectives, Anupam Publication, Delhi. Annual Reports INSA.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	III		
Name of the Course	Entrepreneurship and Start up Management		
Course Code	M24-OEC-350		
Course Type	OEC		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Assess available entrepreneurial opportunities. CLO 2: Understand the dynamics entrepreneurship CLO 3: Assess entrepreneurial infrastructure and institutional support available for the same in India. CLO 4: Understand Indian Start up Ecosystem.		
Credits	Theory	Tutorial	Total
	-	-	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Entrepreneurship v/ s Intrapreneurship. The entrepreneurial mindset, attributes, attitudes and behaviour. Entrepreneurial Myths and Realities. Rural, social and women entrepreneurship in India.		7
II	Analysis of entrepreneurial environment and formulation of a comprehensive entrepreneurial business plan. Formulating a Marketing, HRM and Financial Plan for an entrepreneurial business.		8
III	Startup Culture in India. Recent initiatives for Startup Promotion in India. Startup Initiation Process and Formalities.		7
IV	4 case studies of successful startups in India and 4 of startup failures clearly identifying underlying reasons.		8
Total Contact Hours			30

Suggested Evaluation Methods			
Internal Assessment: 15		End Term Examination: 35	
➤ Theory	15	Theory:	35
• Class Participation:	4	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	4		
• Mid-Term Exam:	7		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
1. Kumar, Arya, Entrepreneurship, Pearson Education.			
2. Greene, Cynthia, Entrepreneurship, Cengage Learning.			
3. Wickham, P, Strategic Entrepreneurship, Pitman.			
4. Shukla, MB, Entrepreneurship and Small Business Management, Kitab Mahal.			
5. Sahay, Nirjar, Entrepreneurship: Education, Theory and Practice, Excel Books.			

Session: 2025-26

Part A - Introduction

Name of Programme	MBA		
Semester	IV		
Name of the Course	Corporate Social Responsibility and Sustainability		
Course Code	M24-MBA-401		
Course Type	CC-13		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the role of CSR in corporate settings CLO 2: Understand boundaries governing CSR. CLO 3: Understand corporate governance and future innovative practices in this regard. CLO 4: Understand how to frame future sustainable corporate strategies.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B - Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	CSR- Meaning, evolution and theoretical perspectives. Scope, mandate and legal framework governing CSR in India. CSR strategies and implementation of these. Concept of Corporate Citizenship.	15
II	Corporate Governance- Evolution and significance in modern times. Regulation, structure, diversity and development of Boards. Business failures and corporate governance. Innovative practices in and future outlook of corporate governance.	15
III	Corporate Sustainability- Meaning, nature and scope. Interlinking CSR and Corporate Sustainability. Various terminologies relating to corporate sustainability. Triple Bottom Line. Sustainability Indices and Reporting.	15
IV	Reporting frameworks in corporate sustainability. Global Reporting Initiative Guidelines and National Voluntary Guidelines on Social, Environmental and Economic Responsibilities of Business. International Sustainability Standards.	15
Total Contact Hours		60

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
> Theory	30	> Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
1. Cannon, Tom, Corporate Responsibility: Governance, Compliance and Ethics in a Sustainable Environment, Pearson Education.			
2. Samuel & Celine, Theory and Practice of Corporate Social Responsibility, Springer.			
3. Mandal, BL, Corporate Social Responsibility in India, Global Vision Publishing House.			
4. Ray, S and S Siva Raju, Implementing Corporate Social Responsibility, Springer.			
5. Aluchana, M, Samuel, The Dynamics of Corporate Social Responsibility, Springer.			

Session: 2025-26**Part A - Introduction**

Name of Programme	MBA		
Semester	IV		
Name of the Course	AI Applications in Business		
Course Code	M24-MBA-402		
Course Type	CC-14		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: To understand the role of AI in business decision making CLO 2: To gain knowledge on AI based business analytics. CLO 3: To explore challenges in AI Adoption in business. CLO 4: To comprehend AI technologies and transformative business.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B - Contents of the Course

Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Artificial Intelligence and Machine Learning- Meaning and significance in modern day businesses. AI Adoption in Businesses- Various strategies and challenges. Emerging Trends and Future of AI in corporate world.	15
II	Applications of AI in Marketing and Advertising. Prominent AI tools available for marketers and advertisers.	15
III	Applications of AI in Human Resource Management. Prominent AI tools available for Management of Human Resources. Intelligent Business Processes for Leadership and Change Management in Organizations.	15
IV	Applications of AI in Finance Function of Organizations. Prominent AI tools available for Finance Managers in corporate world.	15
Total Contact Hours		60

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
1. Bhuvan Unhelkar and Tad Gonsalves, Artificial Intelligence for Business Optimisation- Research and Applications, CRC Press, Taylor and Francis.			
2. Paul Roetzer, Marketing Artificial Intelligence- AI, Marketing and the Future of Business, BenBella Books.			
3. Panda, Mishra, Balamurli and Ahmed, Artificial and Machine Learning in Business Management- Concepts, Challenges and Case Studies, CRC Press, Taylor and Francis.			
4. www.ibm.com/artificial-intelligence-business .			
5. www.openai.com/business .			

Session: 2025-26**Part A - Introduction**

Name of Programme	MBA		
Semester	IV		
Name of the Course	Service Marketing		
Course Code	M24-MBA-413		
Course Type	DEC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Get insights on service marketing ecosystem. CLO 2: Comprehend different orientation required for marketing of services. CLO 3: Understand how to assess service quality using various approaches. CLO 4: Comprehend various tools required for a holistic approach to marketing of services.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B - Contents of the Course

Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Services and Indian Economy- Contribution of service sector in the Indian Economy with latest trends. Reasons for the growth of service sector in India. Unique Characteristics of services and resultant problems associated with their marketing and remedies.	15
II	Service Marketing Mix Service Quality- Concept, SERVQUAL Model, GAP Model. Service Productivity- Concept and ways to enhance the same. Relationship between service quality and service productivity.	15
III	Service Management Triangle- Internal Marketing, External Marketing, Interactive Marketing and relationship among these. Service Profit Chain. Service Marketing Environment.	15
IV	Service Differentiation and Positioning. Service Recovery- Meaning, Significance and Strategies. Relationship Marketing- Meaning, Benefits, Relationship bonds.	15
Total Contact Hours		60

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
1. Zeithmal, V.A, D.D Gremler, M.J Bitner and A Pandit, Services Marketing, Tata McGraw Hill.			
2. Lovelock, Christopher, Services Marketing, Pearson education.			
3. Hoffman, K.D and JEG Bateson, Marketing of Services, Cengage Learning.			
4. Woodruff, H.E, Services Marketing, Longman Group.			
5. Payne, D, The Essence of Service Marketing, Prentice Hall of India.			
6. Verma, Harsh V, Services Marketing- Text and Cases, Pearson Education.			
7. Harvard Business Review.			
8. Journal of Services Marketing, Emerald Publications.			

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Foreign Exchange Management		
Course Code	M24-MBA-423		
Course Type	DEC - 7		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Demonstrate an understanding of foreign exchange trading, settlement processes, exchange rate mechanisms, and associated risk management strategies.</p> <p>CLO 2: Understand fundamental concepts and principles related to international financial flows.</p> <p>CLO 3: Apply risk management tools and techniques to hedge against foreign exchange risk.</p> <p>CLO 4: Analyze the practices and regulatory framework of foreign exchange management in India.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	International Monetary Systems: Bretton Woods institutions and forex market structure and participants. Foreign exchange quotations: Direct and indirect. Convertibility of Rupee, current account convertibility and capital account convertibility.		15
II	Exchange rate: meaning, Spread, official and free market rates, cross currency rates, forward rates. Exchange rates determination theories, factors affecting exchange rate determination, flexible vs. fixed exchange rates, Liquidity and exchange rate stabilization policies, Relation between the interest rate, inflation and exchange rates: Fisher effect.		15
III	Foreign Exchange Risk and Exposure: Techniques for the Measurement and Management of Currency Risk and Exposure, parameters and constraints of Exposure Management. Forecasting Exchange Rates: Techniques of forecasting Exchange Rates.		15
IV	Tax treatment of Foreign Exchange gains and losses. Foreign Exchange Control in India, RBI guidelines, Salient features of FEMA.		15
Total Contact Hours			60

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
1.	Shapiro, Alan C.: Multinational Financial Management, PHI., New Delhi.		
2.	Apte P.G.: International Financial Management, TMH, New Delhi.		
3.	Saran (V): International Financial Management, PHI. New Delhi		
4.	Chaudhary, B.K.: Financing of Foreign Trade and Foreign Exchange.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Change Management and Organizational Development		
Course Code	M24-MBA-433		
Course Type	DEC - 7		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: To analyze the relevance of Change with Organizational Culture CLO 2: To recognize change communication and resistance to change through Change Management models CLO 3: To understand the role of leader/ manager in change management. CLO 4: To familiarise the Concepts and Interventions of OD		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Organization Change: Nature and Need for change, Types of Change, Factors causing change, Sources of Resistance to change- Individual, organizational sources, Impact of change on people, dealing with resistance to change, Change Agents, Communication in managing change, Organizational Problem Diagnosis- The Process of Diagnostic Cycle.		15
II	Change Management Models & Techniques- Lewin's Three Step Model, Mc Kinsey 7S Model, Kotter's Model, Burke-Litwin Model, Work Redesign Model, ADKAR Model, Bridge's Transition Model and Grief Mode; The leadership of Organizational Change Management; Organizational Conflicts and Change Management		15
III	Organizational Development: Concept, Nature, Scope & Assumptions, Characteristics & Techniques, Steps involved in		15

	Organizational Development; Role of Managers; Factors affecting Organizational Development; Ethical Standards in OD, Future of Organizational Development	
IV	Organizational Development Interventions: Human Process Interventions, Structure and Technological Interventions, Strategy Interventions, Sensitivity Training, Survey Feedback, Process Consultation, Team Building, Inter-group Interventions; Assessment of OD Implementation; Issues in Consultant - Client Relationship; Learning Organizations.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Cummings, T. G., & Worley, C. G. (2022). Organization development and change (12th ed.). Cengage Learning. 2. French, W. L., Bell, C. H., & Vohra, V. (2006). Organization development: Behavioral science interventions for organization improvement (6th ed.). Pearson Education. 3. Burke, W. W. (2018). Organization change: Theory and practice (5th ed.). SAGE Publications. 4. Cameron, E., & Green, M. (2020). Making sense of change management: A complete guide to the models, tools and techniques of organizational change (5th ed.). Kogan Page. 5. Schein, E. H. (2010). Organizational culture and leadership (4th ed.). Jossey-Bass. 6. Kotter, J. P. (2012). Leading change. Harvard Business Review Press. 7. Hiatt, J. (2006). ADKAR: A model for change in business, government, and our community. Prosci Learning Center Publications. 8. T. Larkin and Sandar Larkin, Communicating Change: Winning Employee Support for New Business Goals, RR Donnelly Press (1994) 9. Bhattacharyya Dipak (2011): Organizational Change and Development, Oxford University Press, New Delhi. 10. Kondalkar, Organization Effectiveness and Change Management, PHI Learning, New Delhi, 2009 11. Kavita Singh. (2020). Organization change and development (2nd ed.). Excel Books. 12. Rao, T. V. (2010). OD interventions: Instruments for human resource development. SAGE Publications India. 13. Pareek, U. (2002). Understanding organizational behaviour. Oxford University Press. 14. Prasad, L. M. (2022). Organizational change and development. Sultan Chand & Sons. 15. Sahni, S. (2016). Managing organizational change. Vikas Publishing House. 16. Dharani, B. (2015). Organisational development and change. Himalaya Publishing House. 17. Tripathi, P. C. (2014). Organizational development and change. McGraw-Hill Education India. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	IOT and Big Data		
Course Code	M24-MBA-443		
CourseType	DEC - 7		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the Internet Connectivity Principles. CLO 2: Learn the process of Data Acquiring, Organizing and Analytics in IOT. CLO 3: Learn the Prototyping the Embedded Devices for IOT. CLO 4: Know about the various Business Models.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions; selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	The Internet of Things: An Overview, Design Principles for Connected Devices; Design Principles for the Web Connectivity for connected-Devices. Internet Connectivity Principles.		10
II	Data Acquiring, Organizing and Analytics in IoT/M2M Applications/ Services/Business Processes. Data Collection, Storage and Computing Using a Cloud Platform for IoT/M2M Applications/Services, Sensors, Actuators, Radio Frequency Identification, Wireless Sensor Networks and Participatory Sensing Technology,		15
III	Prototyping the Embedded Devices for IoTs and Prototyping Devices, Gateways, Internet and Web/Cloud Services Software Components. Internet of Things Privacy, Security and Governance, Business Models and IoT Project Case Studies		15
IV	BIG DATA: Wholeness of Big Data, Big Data Sources and Applications, Big Data Architectures, Distributed Computing using Hadoop, Parallel Processing with Map Reduce, No SQL Databases, Stream Processing with Spark, Ingesting Data, Cloud Computing, Web Log Analyzer Application Case Study, Data Mining Primer, Big Data Programming Primer		20
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	

➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
<ol style="list-style-type: none"> 1. Raj Kamal, Internet of Things, McGraw Hill Education. 2. Anil Maheshwari, Big Data, McGraw Hill Education. 3. Arshdeep Bahga & Vijay Madisetti: Internet of Things -A Hands-on Approach (University Press) 4. Indresh & Kannadasan, Fundamentals of IoT and Big data, Scientific International Publishing House. 5. Sudip Misra & Anandarup Mukherjee, Introduction to IoT, Cambridge University Press 6. Seema Acharya, Subhashini Chrlappan, Big Data and Analytics, Wiley Publishing 7. Kai Hwang, Min Chen, Big-Data Analytics for Cloud,Iot and Cognitive Computing, Wiley Publishing 			

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Enterprise Appraisal and Financing		
Course Code	M24-MBA-453		
Course Type	DEC - 7		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Analyze and interpret enterprise performance using financial and non-financial indicators CLO2: Understand the financial needs and capital structure of different enterprises. CLO3: Understand the financial needs and capital structure of different enterprises. CLO4: Evaluate various financing options and their implications.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Enterprise Appraisal and Financing; Types of enterprises; purpose of appraisal; financing landscape; Financial Statement Analysis; Income statement, balance sheet, cash flows, ratios		15
II	Appraisal of New Ventures; Idea validation, feasibility studies, lean start up model and community development; Credit Appraisal by Financial Institutions; Creditworthiness; project appraisal techniques; Funding Options for Enterprises; Debt, equity, hybrid instruments		15
III	Venture Capital and Angel Investing; Process; term sheets, negotiation; exit strategies; Government Schemes and Institutional Support; MSME schemes; SIDBI, credit guarantee schemes		15
IV	Risk Management in Enterprise Financing Financial; operational, and market risks; Ethical Considerations and Corporate Governance: Transparency, accountability, investor rights		
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Gupta, A. (2023). *Project appraisal and financing*. PHI Learning Pvt. Ltd..Ziegler, R. (2011).
2. Wu, D. D., & Olson, D. L. (2015). *Enterprise risk management in finance*. Houndmills, Basingstore, London: Palgrave Macmillan.

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Export-Import Procedures and Documentation		
Course Code	M24-MBA-463		
Course Type	DEC - 7		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the trade procedure, documentation and ITC (HS) classification system. To learn the role of ICC, INCOTERMS.</p> <p>CLO 2: Understand the usage of main types of documents in smooth conduct of international trade.</p> <p>CLO 3: Learn different methods of making payment in international trade and pre-shipment and post-shipment finance options.</p> <p>CLO 4: Understand the importance of export promotion, schemes, legal aspects and the institutions involved in the promotion.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Significance of Procedures and Documentation in International Trade, procedure and documentation as Trade Barriers. WTO Provisions. Aligned Document System (ADS), Official machinery for Trade Procedure and Documentation; ITC (HS) classification system; Role of ICC, INCOTERMS; Nature of Export / Trading Houses, EDI and Documentation.		15
II	Main Export and Import Documents; Export Order Processing; export contract; Export Price Quotations; Shipping and Custom Clearance of Export and Import Cargo; Central Excise clearance; Role of Forwarding agents; Cargo Insurance and Claim Procedure.		15
III	Methods of Payments in International Trade: Documentary Collection of Export Bills; UCPDC Guidelines; Realisation of Export Proceeds-Provisions of RBI's Exchange Control Manual, FEMA- Objectives. Main Provision of FEMA. Pre-Shipment and Post Shipment Finance. Role of EXIM Bank and ECGC in India.		15
IV	Major Export Promotion Schemes in India- EPCG, Duty Exemption Scheme; DEPB Scheme SIL; Facility for Deemed Exports: Export Promoting Institutions (EOU's/ EPZs/ SEZ's) - Role of Export Promotion Councils, Commodity Boards and ITPO.		15
Total Contact Hours			60
Suggested Evaluation Methods			

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C - Learning Resources

Recommended Books/e-resources/LMS:

1. Paras Ram: Export: What Where and How, Delhi, Anupam Publication.
2. Ministry of Commerce, Handbook of Procedures, Government of India, New Delhi.
3. Ministry of Commerce, Import Export Policy, Government of India, New Delhi.
4. Custom and Excise Law, Various Issues.
5. Nabhi's Exporters Manual and Documentation.
6. Nabhi's New Import Export policy procedures.
7. Pervin Wadia: Export Markets and Foreign Trade Management, Manishka Publication, New Delhi
8. M.D. Jitendra: Export Procedures and Documentations, Rajat Publications, Delhi

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	International Marketing		
Course Code	M24-MBA-414		
Course Type	DEC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)	Case Studies and articles in this area to be discussed with students in classes.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: To make students understand the dynamics involved in international marketing, trade barriers and modes to enter in foreign markets.</p> <p>CLO 2: Gain useful insights regarding planning and selecting international markets and strategic decisions involved in this process.</p> <p>CLO 3: To make students understand the international marketing mix strategy with product and pricing decisions.</p> <p>CLO 4: Understanding the distribution and promotion strategies in marketing across the national boundaries.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	International Marketing: Nature, benefits and motivations underlying International Trade and International Business; Domestic Marketing versus International Marketing; International marketing orientation- EPRG framework; Trade Barriers- Protectionism, Tariff and non-tariff barriers; Basic modes for entry; Process of International Marketing		16
II	International Marketing Planning: Framework and Process of market planning; Selection process and strategies; Process of marketing Control. Market segmentation, Target market strategies and positioning decisions		14
III	International product policy and planning: International product mix, Product life cycle, product standardization and adaptation. Building brands for foreign markets, labeling and packaging decisions, International pricing decisions- pricing policies, pricing decisions,		18

	Terms of sale, Dumping, Counter Trade and Transfer Pricing	
IV	International Distribution Decisions: International Distribution Channels, International distribution policy, selecting distribution channels; Communicating with the global world- Global advertising and culture, setting global advertising budget, Advertising standardization vs. adaptation, global media decisions,	12
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
1. Sak Onkvisit and John Shaw: International Marketing (Analysis and Strategy), PHI, N. Delhi.		
2. Cateora P. R., Graham J. L. and Gilly M. C. : International Marketing, Tata McGraw-Hill		
3. Rakesh Mohan Joshi: International Marketing, Oxford University Press.		
4. Vern Terpestra and Ravi Sarthy : International Marketing, Thompson.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Financial Derivatives		
Course Code	M24-MBA-424		
Course Type	DEC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Have a fair understanding of financial derivatives in terms of concepts, structure, instruments and trading strategies for profit and risk management.</p> <p>CLO 2: Understand the use of mathematical models on financial instruments and knowledge of innovative tools in terms of financial derivatives.</p> <p>CLO 3: Understand the trading strategies by theoretical models and their practical implementation.</p> <p>CLO 4: Understand the regulatory environment for derivatives market in India.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction and evolution of Commodities and Financial Derivatives trading in India. Understanding Underlying Markets. Microstructures and trading mechanism for equities, commodities and currency derivatives. Derivative Trade Clearing, Settlement & Risk Management for equities (including indices products), commodities and currencies.		20
II	Options and Option Pricing Models for equities (Indices and individual stock products) and commodities. Forwards and Futures trading mechanisms in equities, commodities and currencies.		10
III	Designing trading strategies based on equities, commodities and currencies in respective markets, viz., options, futures and forwards: underlying assumptions, risk hedging and return generation.		10
IV	Legal and regulatory environment for derivative trading in equities, commodities and currencies, Accounting and Taxation issues in derivative trading, risk mitigation and management strategies for equity, currencies and commodities based derivative trading. Code of		20

	conduct and investor protection measures for equity, currencies and commodities based derivative trading in India.	
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
1. Hull, J. C. (2021). <i>Options, futures, and other derivatives</i> (11th ed.). Pearson.		
2. McDonald, R. L. (2013). <i>Derivatives markets</i> (3rd ed.). Pearson.		
3. Gupta, S. L. (2017). <i>Financial derivatives: Theory, concepts, and problems</i> (2nd ed.). PHI Learning Pvt. Ltd.		
4. Sundaram, J. R. (2009). <i>Futures and options: Concepts and applications</i> . McGraw-Hill Education.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Group Dynamics and Leadership Excellence		
Course Code	M24-MBA-434		
Course Type	DEC - 8		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: To understand the meaning and features of the Group CLO 2: To know about various types and function of Group CLO 3: To know the various theories and processes of Group Formation CLO 4: To know about the nature and theories of group leadership		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Groups: Groups and types of groups, their functions, stages of group development, reasons of joining groups. Theories Of Group Formation- Propinquity theory, Homan's IAS theory, Balance Theory, Exchange theory; Groups Vs Teams. Group decisions making and Its techniques.		15
II	Group Processes & Dynamics: Conformity, deviance, Polarization, cohesiveness, Synergy, Obedience, Group Shift, Group Think, Social Loafing and facilitation, cooperation and competition. Interpersonal attraction and Social Relationship: Attraction, similarity and liking, measurement issues- Sociometry. Group Communication: Process, formal and informal communication, verbal and non-verbal patterns of communication, social networks, rumours, and grapevine.		15
III	Interactive Behavior: Conflict Management and Prevention of Interpersonal Conflict and Inter-Group Conflict. Transactional		15

	analysis, JOHARI window. Training for effective Group Membership – T Group Training or Sensitivity Training Positive Organizational Scholarship: Definition, the principle of POS, the scope of POS (<i>Organizational Resilience, Interpersonal Trust, Meaning in work; Virtuousness, Engagement, Appreciative Inquiry, Mindfulness at work and well-being at work</i>)	
IV	Group leadership- Leadership Styles-Autocratic, Democratic, and Laissez-faire leadership styles; Characteristics of various types of group leaders, Contingency models of leadership (Fiedler, Path – Goal, Leader Participation Model of Leadership), and Contemporary models of leadership (Leader-Member Exchange, Situational, and Transactional, Transformational Models of leadership and Servant Leadership)	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
1. Forsyth, D. R. (2018). Group dynamics (7th ed.). Cengage Learning.		
2. Johnson, D. W., & Johnson, F. P. (2013). Joining together: Group theory and group skills (11th ed.). Pearson.		
3. Levi, D. (2016). Group dynamics for teams (5th ed.). SAGE Publications.		
4. Baron, R. A., Branscombe, N. R., & Byrne, D. (2008). Social psychology (12th ed.). Pearson Education. (Includes group behavior and dynamics.)		
5. Pareek, U. (2004). Understanding organizational behaviour (2nd ed.). Oxford University Press. (Indian perspective on group dynamics.)		
6. Northouse, P. G. (2021). Leadership: Theory and practice (9th ed.). SAGE Publications.		
7. Yukl, G. A. (2013). Leadership in organizations (8th ed.). Pearson Education.		
8. Bass, B. M., & Bass, R. (2008). The Bass handbook of leadership: Theory, research, and managerial applications (4th ed.). Free Press.		
9. Robbins, S. P., & Judge, T. A. (2022). Organizational behavior (19th ed.). Pearson Education. (Includes leadership and group dynamics.)		
10. Kouzes, J. M., & Posner, B. Z. (2017). The leadership challenge (6th ed.). Wiley.		
11. Hersey, P., Blanchard, K. H., & Johnson, D. E. (2013). Management of organizational behavior: Leading human resources (10th ed.). Pearson.		
12. Deb, T. (2009). Leadership and positive organizational behavior. Excel Books India.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Predictive Analytics for Business Decisions		
Course Code	M24-MBA-444		
Course Type	DEC -8		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the Supervised Learning and Unsupervised Learning. CLO 2: Comprehend the process of Data Exploration. CLO 3: Understand the Machine Learning Algorithms. CLO 4: Learn the Statistical Graphics for Comparing, Assessing and Implementing Predictive Models.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B – Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions; selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Supervised Learning and Unsupervised Learning: Preparing Data for predictive modeling, Data Exploration		10
II	Decision Trees: Cultivating Decision Trees Optimizing the Complexity of Decision Trees, Interpreting Decision Trees, Logistic Regression. Simple and Multiple Logistic Regression, Selecting Regression Inputs Optimizing.		15
III	Regression Complexity: Interpreting Regression Models, Transforming Inputs, Categorical Inputs Treatment, Categorical Input Consolidation, Data Reduction/Selection Strategy.		15
IV	Introduction to Machine Learning Algorithms : Model Assessment; Model Fit Statistics : Statistical Graphics for Comparing and Assessing Models; Implementing Predictive Models: Ensemble Models, Clustering and Segmentation Analysis; K-Means Clustering: Profiling and Interpreting Clusters.		20
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		

Part C- Learning Resources**Recommended Books/e-resources/LMS:**

1. Larsoe and Larose, Data Mining and Predictive Analytics, Wiley Publishing.
2. Seymour Geisser, Predictive Inference: An Introduction, CRC Press, Taylor & Francis.
3. Ralph Writers, Practical Predictive Analysis, Packet Publishing.
4. Dean Abbott Applied Predictive Analytic, Wiley Publishing.
5. Jeffery T. Prince, Amarnath Bose, Predictive Analytics for Business Strategy, McGraw Hill.
6. Eric Siegel, Predictive Analytics. Wiley Publishing.
7. Dean Abbot, Applied Predictive Analytics: Principles and techniques for the Professional Data Analyst, Wiley Publishing.

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	MSME Policy Framework		
Course Code	M24-MBA-454		
Course Type	DEC - 8		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Give understanding of policy environment for Micro small and medium enterprises. CLO 2: Understand the dynamics of industrial policy with specific reference to MSME's CLO 3: Understanding the prevention measures and revival strategies for MSME's. CLO 4: Understand the tax benefits available to MSME's		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Policy Environment for Small Scale Sector, Pre and Post 1991 Industrial Policy, New Policy Measures, Reports of various Working Groups on SSIs: Kothari Committee 2,000, Ganguly Committee 2004. Policy Support Mechanism: Reservation of Items for Small Scale Industries, Rationale, Procedures, Criticism, De-reservation, Removal of Quantity Restrictions.		15
II	Government's Purchase Preferences Policy for Small Industries Products, Price Preference Policy for SSI products. Policy of Priority Credit. Equity Participation, Equity issues by small enterprises through OCTEL, Policy of Technology Up gradation in small enterprises, Technology Bureau for Small Enterprises.		15
III	Taxation Benefit to SSI: Need for tax benefits, Tax Holiday, Rehabilitation Allowances, Expenditure on Scientific Research, Amortization of certain Preliminary Expenses, Tax concession to SSI in rural and backward areas, Expenditure on acquisition of Patents and Copyrights.		15
IV	Policy on Handling Sickness in Small Industries: Causes and consequences of Sickness, Measures to prevent sickness in small units Measures for Export Promotion: Export Processing Zones (EPZs), Special Economic Zones (SEZ), Measures for Export Promotion, Organizational support for Export Promotion.		15
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	

➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
1. Personal Finance by Jack R. Kapoor, Les R. Dlabay and Robert J. Hughes, Tata			
2. McGraw Hill Publishing Company Ltd. New Delhi.			
3. Personal Finance columns in The Economic Times, The Business Line and Financial			
4. Express Daily News Papers			
5. Kothari Committee Report			
6. SSI Policy			
7. Sick Industries Companies Act'			
8. www.iasb.org			
9. 8. Internet Sources- BSE, NSE, SEBI, RBI, IRDA, AMFI etc			

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	International Strategic Management		
Course Code	M24-MBA-464		
Course Type	DEC - 8		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand various levels of strategy along-with alternatives available for entering into foreign market.</p> <p>CLO 2: Get the knowledge of international strategic management process and develop analytical ability to make environmental and organizational appraisal.</p> <p>CLO 3: Learn the approaches to strategic formulation and strategic choice making process.</p> <p>CLO 4: Understand the various issues and decisions involved in strategy implementation along-with the process and techniques of strategic evaluation and control.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Nature and Dimensions of International Strategic Management. Domestic versus International Strategic Management, Functions of International Strategic Planning. Pre-requisites and Complexities of International Strategy.		15
II	Strategies for Foreign Market Entry and Penetration, Growth Strategy, International Business Integration, Strategy for Risk and Stability, Revival Strategies, Restructuring and Divestment.		15
III	Approach to Strategic Formulation: The Traditional approach, Modern Approaches-Gap analysis, Capital Investment Theory, ANSOFF, Adaptive Search Approach, Portfolio Approaches- Boston's Model, GE McKinsey Model, Hofer's Model and Shell's Directional Policy Model, Comparative Strategy vis-à-vis Domestic Firms.		15
IV	Strategy Implementation: Resource Allocation. Projects and Procedural Issues. Organization Structure and Systems in Strategy Implementation, Leadership and Corporate Culture, Values. Ethics and Social Responsibility.		15

Operational and derived functional plans to implement strategy. Integration of Functional Plans. Organizational Systems and Techniques of Strategic Evaluation.		
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
1. Dunning J. H (1988); Explaining International Production, Harper Collins, London.		
2. Garpand, J & Farmer, R.N; International Permissions of Business Policy & Strategy, Kent Publishing Company, Boston, Massachusetts.		
3. Ansoff, H.I; Corporate Strategy, McGraw Hill, London 4. Porter, M.E; Competitive Strategy, Free Press, NY.		

Session: 2025-26			
Part A – Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Sales and Distribution Management		
Course Code	M24-MBA-415		
Course Type	DEC-9		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Analyze various sales promotion methods and develop effective sales forecasting techniques.</p> <p>CLO 2: Design and implement strategies for recruiting, training, and evaluating a high-performing sales force.</p> <p>CLO 3: Develop an efficient distribution channel strategy by selecting and managing channel members effectively.</p> <p>CLO 4: Apply logistics and supply chain management principles to optimize inventory, warehousing, and transportation.</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Sales management: conceptual framework; roles and skills of sales manager; personal selling; theories of selling; sales promotion: objectives and methods; setting up and administration of sales territories; market analysis and sales forecasting.		15
II	Sales organization: nature, structure, and relationship; sales force management: recruitment, selection, training, development, motivation, compensation, and evaluation of sales performance; controlling sales force: sales budget, quotas, and meetings.		20
III	Distribution management: need, distribution channel strategy; marketing channels; channel institutions—wholesaling, retailing; designing channel systems: selecting, training, motivating, and evaluating channel members.		15
IV	Channel management: channel conflicts, principles of channel management, channel policies; elements of a channel information		10

	system; focus areas of logistics and supply chain management: inventory management, storage and warehousing, transportation.	
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Still, R. R., Cundiff, E. W., Govoni, N. A. P., & Puri, S. <i>Sales and distribution management: Decisions, strategies, and cases</i> (6th ed.). Pearson Education. 2. Havaladar, K. K., & Cavale, V. M. <i>Sales and distribution management</i> (3rd ed.). McGraw Hill Education. 3. Dalrymple, Douglas J, William Cron and Thomas Decarlo, <i>Sales Management</i>, John Wiley and Sons Asia Pvt. Ltd. 4. Bhattacharyya, SK, <i>Logistics Management</i>, S Chand, India 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Private Equity and Wealth Management		
Course Code	M24-MBA-425		
Course Type	DEC - 9		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Understand the basics of Private Equity and Wealth Management in India. CLO2: Apply private equity strategies including due diligence, valuation, and exit planning. CLO3: Learn asset allocation and portfolio diversification for wealth management. CLO4: Understand regulations, ethics, and emerging trends in Indian finance.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Private Equity and Wealth Management: Definition and Importance of Private Equity (PE); Types of Private Equity Investments; Key Players in Private Equity; Introduction to Wealth Management; Wealth Creation and Preservation; Role and Responsibilities of a Wealth Manager; Financial Planning Process in Wealth Management		15
II	Private Equity Investment Process and Strategies: Private Equity Lifecycle: Fundraising and Structure; Deal Sourcing and Investment Process; Due Diligence and Valuation Techniques; Exit Strategies. Private Equity Investment Strategies, Risk Management in Private Equity. Valuation Techniques: Methods used to evaluate private equity opportunities.		15
III	Wealth Management Strategies and Asset Allocation: Investment Planning in Wealth Management, Asset Allocation and Portfolio Diversification, Risk-Return Trade-off in Wealth Management, Tax Planning and Wealth Structuring. Financial Instruments for Wealth Management: Mutual Funds, Bonds, Stocks, ETFs, Real Estate, Hedge Funds, Commodities, Insurance and Retirement Planning.		15

IV	Regulatory Framework, Ethics, and Emerging Trends: Regulatory Aspects in Private Equity and Wealth Management, Ethical Considerations and Professional Conduct, Investor Rights and Protection Mechanisms, Emerging Trends and Future Developments: Role of FinTech and Robo-Advisors in Wealth Management, AI and Technology-Driven Investment Strategies, Sustainable and ESG Investing, Future of Private Equity and Wealth Management Industry.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
1. Goyal, S. (2022). <i>Private equity in India: The new era of investment</i> . Wiley.		
2. Feld, B., & Mendelson, J. (2019). <i>Venture deals: Be smarter than your lawyer and venture capitalist</i> . Wiley.		
3. Reddy, G. S. (2021). <i>India's private equity: The future of investing</i> . Springer.		
4. Mishra, R. K. (2022). <i>Wealth management in India: A practice guide for professionals</i> . Sage Publications.		
5. Tiwari, V. (2020). <i>Financial planning and wealth management in India</i> . McGraw-Hill Education.		
6. Rajeev, M. N. (2021). <i>The wealth of wealth management: Making the most of financial planning</i> . Rupa Publications.		
7. Agarwal, H. (2023). <i>Private equity and wealth management: A handbook for Indian professionals</i> . Pearson Education India.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Counselling, Mentoring and Negotiation Skills		
Course Code	M24-MBA-435		
Course Type	DEC - 9		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand nuances of counselling, mentoring and negotiating skill in effective implementation and functioning of HR systems and strategies.</p> <p>CLO 2: Understand the concept and types of counselling, ethical issues and code of conducts in counselling</p> <p>CLO 3: Understand key strategies, tactics and best practices of negotiation.</p> <p>CLO 4: Recognizing the stages of mentoring relationship</p>		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Counseling skills for managers: Conceptual definitions, Approaches, Values and Goals of Counseling. Counseling Process: Initial encounter with the client, Developing relationship, Problem Identification, Goal Setting, Plan of Action and its Implementation, termination of Relationship and Follow-up, Guidelines for Effective Counseling. Referral Procedures, Role of Counselor & Client in various stages, Key Characteristics, Skills, Qualities & Values for a professional Counselor, Applications of Counseling Skills in modern Organizations		15
II	Performance Counseling: Meaning, Objectives and Process. Special Employee related Problems in Counseling. Counseling Therapies: Cognitive Therapy, Behavioral Therapy, Emotive Behavior Therapy (REBT), Psychoanalytic Therapy, Person-Centered Therapy, Gestalt and Existential Therapy. Ethics in Counseling: Ethical Principles & codes of conduct for professional counselors.		15
III	Negotiation Skills for managers: Nature, Characteristics, Strategy and Tactics of Distributive Bargaining, Strategy and Tactics of Integrative Negotiation; Strategy and Planning for Negotiation., Best Practices in Negotiation – Fundamental Structure of negotiation and Best alternative to a Negotiated Agreement (BATNA)		15

IV	Mentoring Skills for managers: Key Mentoring Skills, Stages of Formal Mentoring Relationships; Stage I: Building the Relationship, Stage II: Exchanging Information and Setting Goals, Stage III: Working towards Goals/Deepening the Engagement, Stage IV: Ending the Formal Mentoring Relationship and Planning for the future.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Singh, Kavita (2015). Counselling Skills for Managers. (2nd Edition). PHI, Delhi. 2. Kotler, Jeffrey (2008). Counselling Theories and Practices. Cengage Learning India. 3. Feltham & Dryden (2012) Brief Counselling. McGraw Hill Publishing India. 4. Nelson-Jones, R. (2014). Introduction to counselling skills: Texts and activities (4th ed.). SAGE Publications. 5. Patterson, Lewis (2008) The Counselling Process, Cengage Learning India 6. McLeod, J. (2013). An introduction to counselling (5th ed.). McGraw-Hill Education. 7. Rao, S. N. (2014). Counselling and guidance (3rd ed.). Tata McGraw-Hill Education. 8. Narayana Rao, S. (2002). Counselling and guidance. Tata McGraw-Hill Publishing Co. 9. Pareek, U. (2007). Training instruments in HRD and OD (3rd ed.). Tata McGraw-Hill Education. (Includes tools relevant to managerial counselling.) 10. Thomas, K., & Mathew, M. J. (2014). Mentoring and coaching: A study of Indian managerial perspectives. Indian Journal of Industrial Relations, 49(3), 478–491. 11. Singh, A. K., & Pandey, N. (2010). Mentoring in Indian organizations: A tool for talent development. Excel Books India. 12. Pareek, U., & Purohit, S. (2010). Training instruments in HRD and OD. Tata McGraw-Hill Education. (Includes mentoring frameworks.) 13. Pattnayak, B., & Mohanty, M. (2012). Counselling psychology. Pearson Education India. 14. Clutterbuck, D., & Megginson, D. (2005). Techniques for coaching and mentoring. Routledge. 15. Megginson, D., Clutterbuck, D., Garvey, B., Stokes, P., & Garrett-Harris, R. (2006). Mentoring in action: A practical guide. Kogan Page. 16. Garvey, B., Stokes, P., & Megginson, D. (2017). Coaching and mentoring: Theory and practice (3rd ed.). SAGE Publications. 17. Clutterbuck, D. (2014). Everyone needs a mentor: Fostering talent at work (5th ed.). CIPD Publishing. 18. Lewicki, R. J., Barry, B., & Saunders, D. M. (2020). Negotiation (8th ed.). McGraw-Hill Education. 19. Thompson, L. (2020). The mind and heart of the negotiator (7th ed.). Pearson Education. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Data Analysis using Python		
Course Code	M24-MBA-445		
Course Type	DEC-9		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the Basics of Python Programming. CLO 2: Know the functions of Python. CLO 3: Learn the Object-oriented Programming. CLO 4: Learn the File Handling in Python.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions; selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Computer and Python Programming: Basics of Python Programming; Variables, Expressions and Statements		15
II	Decision Statements, Conditional and Looping Construct, Functions, Strings and Lists.		15
III	List Processing: Searching and Sorting; Object-oriented Programming: Class, Objects and Inheritance; Tuples, Sets and Dictionaries		15
IV	Graphics Programming: Drawing with Turtle Graphics and File Handling Advanced Python for business applications:		15
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory		30	Theory: 70
• Class Participation:		5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:		10	
• Mid-Term Exam:		15	
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
1. Kamthane, Programming and Problem Solving with Python, Mcgraw Hill Education.			
2. Brown, Python: The Complete Reference, Mcgraw Hill Education.			
3. John Paul Mueller, Beginning Programming with Python For Dummies, Wiley Publishing.			
4. Wes McKinney, Python for Data Analysis, O'Reilly.			
5. Bharti Motwani, Data Analytics using Python, Wiley Publishing.			
6. Reema Thareja, Data Science and Machine Learning using Python, McGrawHill Education.			

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Marketing Management of New Ventures		
Course Code	M24-MBA-455		
CourseType	DEC 9		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the unique marketing challenges faced by startups and new ventures. CLO 2: Design customer-centric marketing strategies with limited resources. CLO3: Create go-to-market (GTM) plans for new products/services. CLO 4: Analyze the Indian startup ecosystem and apply localized marketing tactics.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Startup Marketing Differences between startup vs. established firm marketing Opportunity Identification and Customer Discovery: Understanding unmet needs and latent demand, Design Thinking & Jobs-to-be-Done (JTBD) Framework, Primary research in low-budget contexts Product-Market Fit and Customer Validation: Building and testing MVPs, Using surveys, A/B testing, and early feedback loops Lean Startup methodology in Indian context Digital Marketing for New Ventures: Content, SEO, influencer and social media marketing, Low-cost acquisition tactics, Indian platforms: Meesho, ShareChat, Moj, Koo Go-to-Market Strategy & Launch Planning: GTM channels and partners, Soft launches vs. big bang, Pre-launch buzz: email lists, beta testers, PR		15
II	Pricing Strategies for Startups: Value-based vs. cost-based pricing, Freemium and subscription models, Psychological pricing in Indian markets		15

	Sales Enablement and Early Customer Acquisition: Founder's role in selling, Building the first sales team, CRM tools for early-stage startups Growth Marketing and Retention: Metrics: CAC, LTV, churn, conversion rate, Virality and referral loops, Customer engagement on WhatsApp, Telegram	
III	Scaling the Brand: Pivoting, repositioning and rebranding, Influencer and community-led marketing, Fundraising and its impact on marketing spend	15
IV	Legal, Ethical, and Cultural Considerations: Marketing regulations (ASCI guidelines, e-commerce norms), Cultural sensitivity in diverse Indian regions, Ethical marketing dilemmas	
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
1. Ries, E. (2011). The lean startup: How today's entrepreneurs use continuous innovation to create radically successful businesses. Crown Currency..		
2. Heath, C. (2007). Made to stick: why some ideas survive and others die Chip Heath & Dan Heath.		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	International Financial Markets		
Course Code	M24-MBA-465		
Course Type	DEC-9		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the conceptual framework of international financial system. CLO 2: Understand the main instruments of regulation of currency and credit relations. CLO 3: Know the role, functions, issues and challenges of international financial markets. CLO 4: Understand the currency market for lending and investment and to understand the global market for hedging, arbitrage and speculations.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to international financial system: Bretton wood Conference afterwards. Overview of International Stock Exchanges.		12
II	Creation of European Monetary System: creation of Euro-dollar, Euro-banking and Euro-currency Centers, syndicated Euro-Credits. Role of IMF, IBRD, IFC, BIS and International Centre for Settlement of Investment Disputes and Regional Developments Banks.		16
III	Introduction to International Financial Markets: International Capital Market Instruments and Institutions: International Equities, Euro-Bonds, Euro-Loans, GDR's, ADR's, IDR's International Money Market Instruments and Institutions: Euro-Notes, Euro-Commercial Papers, Participatory Notes: Issues and Challenges.		16
IV	Currency Market for lending and Investment: Currency Risk and Exposure, International Banking and Portfolio. Use of Global Markets for Hedging, Arbitrage and Speculations		16
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70

• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	

Part C - Learning Resources

Recommended Books/e-resources/LMS:

1. David & Eiteman, Arthru J Stonehill: Michael H. Moffett: Multinational Business Finance, Pearson Education.
2. Hill, Charles W L and Jain, Arun K (2009). International Business, Sixth Edition, Tata McGraw Hill, New Delhi
3. Nandi, Sukumar (2014). Economics of the International Financial System, Routledge India, New Delhi
4. David & Eiteman ,Arthru J Stonehill: Michael H. Moffett: Multinational Business Finance, Pearson Education.

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Supply Chain and Logistics Management		
Course Code	M24-MBA-416		
Course Type	DEC - 10		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understanding the concepts of Supply chain. CLO 2: Illustrate networks in different sectors. CLO 3: Analyze using forecasting methods. CLO 4: Understanding transportation and sourcing in SCM.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Understanding the Supply Chain: What is supply chain; objectives and importance of supply chain; decision phases in supply chain; process views of supply chain; examples of supply chain. Supply chain performance achieving strategic fit and scope, Supply chain drivers and metrics.		15
II	Designing Distribution Networks: The role of distribution in the supply chain; factors influencing distribution network design; design options for distribution network; e-business and the distribution network; distribution channels for FMCG sector, commodities, and agricultural produce; factors influencing network design decisions; models for facility location and capacity allocation.		15
III	Demand Forecasting and Aggregate Planning: Methods and Characteristics of demand forecasting; forecasting in practice; the role of aggregate planning in SCM; aggregate planning strategies; the role of IT in aggregate planning; implementing aggregate planning in practice.		12
IV	Transportation and Sourcing in SCM: Role of transportation in SCM;		18

	transportation infrastructure and policies; design options for transportation network and trade-offs; tailored transportation system; risk management; transportation decisions in practice; IT in supply chain. Sourcing in SCM: in-house or outsource; third- and fourth-party logistics; contracts, risk sharing and supply chain performance; vendor analysis; the procurement process. Lack of coordination and the Bullwhip Effect; obstacles to coordination in a supply chain; building strategic partnership and trust within a supply chain.	
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C - Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Chopra, S, and P. Meindl, 2010, <i>Supply Chain Management – Strategy, Planning and Operation</i>, 2. 4th edition, Pearson Education Inc. 3. Raghuram, G. and N. Rangaraj, 2000, <i>Logistics and Supply Chain Management: Cases and</i> 4. <i>Concepts</i>, Macmillan, New Delhi 5. Simchi-Levi, D., P. Kaminski and E. Simchi-Levi, 2003, <i>Designing and Managing the Supply</i> 6. <i>Chain: Concepts, Strategies and Case Studies</i>, 2nd Edition, Irwin, McGraw-Hill. 7. Shapiro, J., 2001, <i>Modelling the Supply Chain</i>, Duxbury Thomson Learning. 8. Altekar R V, <i>Supply Chain Management: Concepts and Cases</i>, Prentice Hall of India. 9. Satish C. Ailawadi, Rakesh Singh: <i>Logistics Management</i>, Prentice Hall of India, 1st Edition, 2005 10. 7. Janat Shah: <i>Supply Chain Management-Text and Cases</i>, Pearson Education India. 2009 1st edition. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Corporate Restructuring and Value Creation		
Course Code	M24-MBA-426		
Course Type	DEC - 10		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Explain the various types of corporate restructuring and their objectives. CLO 2: Identify and explain the strategic motives behind mergers and acquisitions. CLO 3: Analyze capital structure optimization techniques and bankruptcy laws. CLO 4: Assess the role of corporate restructuring in value creation.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Overview of Corporate Restructuring: Definition, Types, and Objectives of Corporate Restructuring, Legal, Economic, and Managerial Perspectives, Restructuring vs. Reorganization. Strategic Reasons for Restructuring. Types of Corporate Restructuring.		15
II	Mergers and Acquisitions (M&A): Strategic Motives for M&A, Types of Mergers (Horizontal, Vertical, Conglomerate), M&A Process; Valuation Methods for M&A; Takeovers and Anti-Takeover Strategies; Post-Merger Integration: Integration Challenges and Value Creation.		15
III	Financial Restructuring: Debt Restructuring and Debt-for-Equity Swaps, Capital Structure Optimization, Bankruptcy and Insolvency Laws. Leveraged Buyouts (LBOs) and Management Buyouts (MBOs): LBO Structures and Financing Techniques, Valuation in LBOs and MBOs, Role of Private Equity in LBOs and MBOs. Distressed Asset Sales.		15
IV	Value Creation and Corporate Governance: Value Creation in Corporate Restructuring; Corporate Governance in Restructuring; Case Studies and Global Trends in Corporate Restructuring.		15

Total Contact Hours		60	
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
<ol style="list-style-type: none"> 1. Krishnamurti, C., & Vishwanath, S. R. (2008). Mergers, acquisitions and corporate restructuring. SAGE Publications. 2. Godbole, P. G. (2013). Mergers, acquisitions and corporate restructuring (2nd ed.). Vikas Publishing House. 3. Gilson, S. C. (2010). Creating value through corporate restructuring: Case studies in bankruptcies, buyouts, and breakups (2nd ed.). Wiley. 4. Gaughan, P. A. (2017). Mergers, acquisitions, and corporate restructurings (7th ed.). Wiley. 5. Kar, R. N., & Minakshi. (2023). Mergers acquisitions & corporate restructuring: Strategies & practices (3rd ed.). Taxmann Publications. 			

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Training, Learning and Development		
Course Code	M24-MBA-436		
Course Type	DEC - 10		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the need and role of managers in training and development CLO 2: Understand the process of training need analysis in organizations. CLO 3: Understand various training and development methods and their applicability in different organizational situations CLO 4: Understand the process of designing a training program and its evaluation.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Training and Development – Need for Development, Differences between Training and Development, Learning Principles; Role of Development Managers and Administrators, Consultants, Designers and Instructors, Determining Training Needs, Usefulness of Training; Development of Competency-based training programs		15
II	Training Need Analysis (TNA)- Need of training, TNA Model, Need Assessment Process: Organizational Analysis, Person Analysis, Task Analysis; Output of TNA, Approaches to TNA: Proactive TNA, Reactive TNA		15
III	Areas of training: Knowledge, Skill, Attitude; Methods of Training - On the job and Off the job; Executive Development Programmes - Meaning, Need, Importance, Nature, Scope and Implications		15
IV	Evaluation of training programs- Key Performance Parameter; Role of Trainer and Line Manager in evaluations, Design of Evaluation – Kirkpatrick's model; Current practices in assessing Training and Development		15

Total Contact Hours		60	
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
<ol style="list-style-type: none"> 1. Blanchard, P. N., Thacker, J. W., & Way, S. A. (2019). Effective training: Systems, strategies, and practices (6th ed.). Pearson. 2. Noe, R. A. (2020). Employee training and development (8th ed.). McGraw-Hill Education. 3. Goldstein, I. L., & Ford, J. K. (2002). Training in organizations: Needs assessment, development, and evaluation (4th ed.). Wadsworth/Thomson Learning. 4. Laird, D., Holton, E. F., & Naquin, S. S. (2003). Approaches to training and development (3rd ed.). Basic Books. 5. Saks, A. M., & Haccoun, R. R. (2018). Managing performance through training and development (8th ed.). Nelson Education. 6. Piskurich, G. M. (2009). Rapid instructional design: Learning ID fast and right (2nd ed.). Pfeiffer. 7. Broad, M. L., & Newstrom, J. W. (1992). Transfer of training: Action-packed strategies to ensure high payoff from training investments. Basic Books. 8. Werner, J. M., & DeSimone, R. L. (2011). Human resource development (6th ed.). Cengage Learning. 9. Swanson, R. A., & Holton, E. F. (2001). Foundations of human resource development. Berrett-Koehler Publishers. 10. Rothwell, W. J., & Kazanas, H. C. (2011). Planning and managing human resources: Strategic planning for human resource management. Human Resource Development Press. 11. Rao, T. V. (2008). Learning & development: Experiences of outstanding companies. Sage Publications India. 12. Rao, T. V. (2002). Future of HRD. Macmillan India Ltd. 13. Sahu, R. K. (2010). Training for development. Excel Books India. 14. Bhatia, S. K. (2009). Training and development: Concepts and practices. Deep & Deep Publications. 15. Raju, P. S. (2006). Management of training and development. I K International Publishing House. 16. Jain, R., & Saakshi. (2005). Training and development: A practical approach. Macmillan India Ltd. 			

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Financial Modeling		
Course Code	M24-MBA-446		
Course Type	DEC-10		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand what financial models are and how these can be useful for businesses. CLO 2: Use various inbuilt functions of EXCEL to prepare a model. CLO 3: Use forecasting technique to make various models. CLO 4: Adjust the regression models for changes in trends.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to financial modelling. Financial modelling rules. Characteristics of financial models. Stages of financial modelling. Benefits and challenges of using Financial Models		15
II	Concept of financial Modeling- difference between spread sheet and model. Types and purposes of financial model-skills required for a good modeler. Best practices in spread sheet design-tool selection. Financial management skills: Understanding the three key financial statements (i.e., a company's income statement, balance sheet, and cash flow statement) and the relationships between the various items on them.		15
III	Forecasting Annual Revenues Spreadsheet skills: Creating, validating, and using linear, quadratic, cubic, and exponential regression models to fit the trends of historical data; creating various types of charts (e.g., scatter diagrams, forecast charts, error patterns, and downside risk curves); estimating the accuracy of forecasts; expressing forecast accuracy in terms of confidence limits and downside risk curves.		15
IV	Financial management skills: Making forecasts; recognizing the difference between valid and invalid forecasting models; handling the risks inherent in forecasts; adjusting regression models for changes in trends.		15

Total Contact Hours		60	
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C- Learning Resources			
Recommended Books/e-resources/LMS:			
1. Alastair Day, Mastering Financial modeling in Microsoft Excel; Pearson, India Edition			
2. Ragnar Lavas et al, Financial Modeling and Asset valuation with Excel; Routledge			
3. Building Financial Models, John Tjia ,McGraw-Hill.			
4. Danielle Stein Fairhurst ,Using excel for business analysis, Wiley finance			

Session: 2025-26			
Part A – Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Financial Innovation and Entrepreneurship		
Course Code	M24-MBA-456		
Course Type	DEC-10		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Familiarize the students with financial management concepts for MSME's. CLO 2: Understand the importance of financial planning for startups and established enterprises. CLO 3: Give an insight regarding innovative sources of finance. CLO 4: Understand financial risks in startups and mitigation strategies.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Meaning, objectives and significance of Financial Management, Project Appraisal Technique- Payback Period, NPV, IRR, PI. Cost of capital and capital structure. Sources of Finance, Working Capital Management: Concept, Importance, Cash Management.		15
II	Inventory Management, Management of Accounts Receivables. Budgeting Control: Meaning, Importance, Limitation, Types of Budgets, Fixed vs Flexible Budget.		15
III	Financial Planning, Estimation of Financial Requirements, Sources of Finance: Internal sources and External sources of Financing including Term Loans and Financial Accommodation from Financial Institutions.		15
IV	Venture Capital, Profitability Analysis: Factors Affecting Profits, Profit Planning: characteristics, advantages and limitation, Break Even Analysis, Profitability Ratios, Cash Flow Statement. Concept of Risk, Types of Risk, Risk mitigation Strategies.		15
Total Contact Hours			60
Suggested Evaluation Methods			

Internal Assessment: 30		End Term Examination: 70	
> Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C - Learning Resources			
Recommended Books/e-resources/LMS:			
1. Singh, Surender and Kaur, Rajeev. Basic Financial Management Mayur Paperbacks, New Delhi			
2. S.N. Maheshwari, Management Accounting & Financial Analysis S. Chand & Sons			
3. S.C. Kuchhal, Financial Management, Vikas Publishing House			
4. Steward C. Myers, Richard A. Brealey Principles of Corporate Finance (International Edition)			
5. M.Y. Khan & R.K. Jain “Financial Management Text & Problems” Tata McGraw			

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Regional Economic Blocks		
Course Code	M24-MBA-466		
Course Type	DEC - 10		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the economic rationale for regional integration. CLO 2: Analyze the structures, functions, and challenges of major regional blocs. CLO3: Evaluate the trade-offs between national sovereignty and regional cooperation CLO 4: Assess the impact of regional blocs on global trade and development.		
Credits	Theory	Tutorial	Total
	-	-	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B - Contents of the Course			
Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to regionalism and economic integration, Theories of economic integration, Global trade Institutions vs. regional blocs		15
II	The European Union: Origins & Evolution, EU Institutions, Policies & Eurozone, Brexit and implications		15
III	ASEAN & Asia-Pacific Trade Blocs, India's Act East Policy, SAFTA vs. BIMSTEC: Future potential. Geopolitics, China's role, and India's positioning.		15
IV	Middle East & Regional Economic Cooperation, African Continental Free Trade Area (AfCFTA) NAFTA & USMCA, MERCOSUR & Latin American Integration		
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		

•Mid-Term Exam:	15
Part C - Learning Resources	
Recommended Books/e-resources/LMS:	
<ol style="list-style-type: none"> 1. Hill, C. W. (2022). <i>Global business today</i>. McGraw-Hill. 2. Morrison, J. (2011). <i>Global Business Environment</i>. Palgrave Macmillan. 3. Nagy, S. G. (Ed.). (2025). <i>The Economics of Regional Integration</i>. Taylor & Francis. 	

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Entrepreneurship And Start up Management		
Course Code	M24-EEC-419		
Course Type	EEC		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Assess available entrepreneurial opportunities. CLO 2: Understand the dynamics entrepreneurship CLO 3: Assess entrepreneurial infrastructure and institutional support available for the same in India. CLO 4: Understand Indian Startup Ecosystem.		
Credits	Theory	Tutorial	Total
	-	-	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B - Contents of the Course			
<p>Instructions for Paper-Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Entrepreneurship v/ s Intrapreneurship. The entrepreneurial mindset, attributes, attitudes and behavior. Entrepreneurial Myths and Realities. Rural, social and women entrepreneurship in India.		7
II	Analysis of entrepreneurial environment and formulation of a comprehensive entrepreneurial business plan. Formulating a Marketing, HRM and Financial Plan for an entrepreneurial business.		8
III	Startup Culture in India. Recent initiatives for Startup Promotion in India. Startup Initiation Process and Formalities.		7
IV	4 case studies of successful startups in India and 4 of startup failures clearly identifying underlying reasons.		8
Total Contact Hours			30

Suggested Evaluation Methods			
Internal Assessment: 15		End Term Examination: 35	
➤ Theory	15	Theory:	35
• Class Participation:	4	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	4		
• Mid-Term Exam:	7		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
1. Kumar, Arya, Entrepreneurship, Pearson Education.			
2. Greene, Cynthia, Entrepreneurship, Cengage Learning.			
3. Wickham, P, Strategic Entrepreneurship, Pitman.			
4. Shukla, MB, Entrepreneurship and Small Business Management, Kitab Mahal.			
5. Sahay, Nirjar, Entrepreneurship: Education, Theory and Practice, Excel Books.			

Session: 2025-26			
Part A - Introduction			
Name of Programme	MBA		
Semester	IV		
Name of the Course	Dissertation/ Research Report/ Project Report		
Course Code	M24-MBA-418		
Course Type	Dissertation/ Project Work		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Get inputs on conducting project . CLO 2: Write Dissertation CLO 3: Understand practical aspects relating to research. CLO 4: Comprehend and address research problems.		
Credits	Theory	Tutorial	Total
	-	-	12
Teaching Hours per week			
Internal Assessment Marks			
End Term Exam Marks (Based on External Evaluation)	300		300
Max. Marks	300		300

M.A. Human Rights (Semester-3) – CC-9

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	III
Name of the Course	Human Rights: Gandhian Perspective
Course Code	M24-HRT-301
Course Type	CC-9
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)

After completing this course, the learner will be able to:

CLO 1: Understand Gandhian philosophical foundations and key concepts.

CLO 2: Analyse Gandhi's approach to human rights.

CLO 3: Examine major Gandhian movements and campaigns.

CLO 4: Evaluate Gandhian thought's contemporary global relevance.

Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Foundations of Gandhian Philosophy: Influence of Hinduism, Jainism, and Buddhism on Gandhi's thought; concepts of <i>Satya</i> (Truth), <i>Ahimsa</i> (Non-violence), and <i>Satyagraha</i> (Non-violent resistance); critique of modernity, industrialization, and materialism; and the ideas of <i>Sarvodaya</i> (Upliftment of All) and <i>Swaraj</i> (Self-rule).	15
II	Gandhian Approach to Human Rights and Dignity: Dignity and worth of the individual; rights and duties from individual and societal perspectives; trusteeship and economic rights; and critique of the caste system and untouchability.	15
III	Gandhian Movements and Campaigns: Non-Cooperation Movement and Civil Disobedience; Salt Satyagraha and the Dandi March; Champaran and Kheda Satyagrahas (peasant rights); and the campaign against untouchability and caste discrimination.	15
IV	Contemporary Relevance of Gandhian Thought: Influence on leaders and movements worldwide; Gandhian approach to conflict resolution and peace-building; environmental rights and sustainable development; and human rights education and Nai Talim (Basic Education).	15
Total Contact Hours		60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
1. Bondurant, J. V. (1958), Conquest of Violence: The Gandhian Philosophy of Conflict: Princeton University Press.			
2. Chatterjee, M. (1983), Gandhi's Religious Thought: Macmillan Press.			
3. Dalton, D. (2012), Mahatma Gandhi: Nonviolent Power in Action: Columbia University Press.			
4. Gandhi, M. K. (1993), An Autobiography: The Story of My Experiments with Truth: Translated by Mahadev Desai Beacon Press.			
5. Hardiman, D. (2004), Gandhi in his Time and Ours: The Global Legacy of his ideas. Columbia University Press			
6. Iyer, R. N. (Ed.). (1973), The Moral and Political Thought of Mahatma Gandhi: Oxford University Press.			
7. Parel, A. J. (2006), Gandhi's Philosophy and the Quest for Harmony: Cambridge University Press.			
8. Prabhu, R. K., & Rao, U. R. (Eds.). (1967), The Mind of Mahatma Gandhi. Navajivan Publishing House.			
9. Pyarelal. (1958), Mahatma Gandhi: The last phase (Vol. 1-2): Navajivan Publishing House.			
10. Wolpert, S. (2002), Gandhi's Passion: The Life and Legacy of Mahatma Gandhi: Oxford University Press.			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

M.A. Human Rights (Semester-3) – CC-10

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	III
Name of the Course	Civil Society, Social Movements and Human Rights in India.
Course Code	M24-HRT-302
Course Type	CC-10
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)

After completing this course, the learner will be able to:

CLO 1: Understand key concepts of civil society and social movements.

CLO 2: Analyse socio-religious movements and their human rights impact.

CLO 3: Examine political and environmental movements and identity issues.

CLO 4: Evaluate roles of international organisations and NGOs in human rights.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Conceptual Perspective: Concept of civil society and social movements; Indic perspective on rights and duties (Dharma) as civilizational foundations of community engagement; Swadeshi as a civil society model rooted in economic self-determination.	15
II	Socio-Religious Movements and Human Rights: Social and religious movements and human rights in India; Brahma Samaj, Arya Samaj Movement, Ramakrishna Mission and Swami Vivekananda's vision of universal upliftment through spiritual nationalism	15
III	Political and Environmental Movements and Human Rights: Political movements; trade union movements; peasant movements; environmental movements.	15
IV	Role of International Organisations and NGOs in Promoting Human Rights in India: Role of UN Commission on Human Rights, UN High Commissioner for Refugees (UNHCR), International Labour Organisation (ILO), UN Educational, Scientific and Cultural Organisation (UNESCO); Amnesty International; NGOs and civil rights	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

movements.	Total Contact Hours		60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ol style="list-style-type: none"> 1. Eide, Asbjorn (1986). <i>Human Rights Movements and the Transformation of International Order</i>, Alternatives, Vol. 11, No. 3. 2. Kaushik, Vijay (1997). <i>Women's Movements and Human Rights</i>, Pointer Publishers, Jaipur. 3. Kothari, Smitu (1990). <i>Human Rights Movement in India: A Critical Overview</i>, Social Action, Vol. 40, No. 1. 4. Puri, Balraj (1990). <i>Role of Human Rights Groups in Kashmir</i>, Radical Humanist, Vol. 54, No. 3. 5. Vijapur, A.P. & Kumar, Sures (Eds.) (1999). <i>Perspectives on Human Rights</i>, Manak Publishers, New Delhi. 6. Steiner, Henry J. (1990). <i>Diverse Partners: Non-Governmental Organizations in the Human Rights Movement: The Report of a Retreat of Human Rights Activists</i>, Harvard Law School, Massachusetts. 7. Tyagi, Y.K. (1995). <i>Golden Jubilee of Unfinished Task: The United Nations Human Rights Movement</i>, International Studies, Vol. 32, No. 4. 8. Van Tyne, Claude H. (1990). <i>India Freedom Movement</i>, Akashdeep Publishing House, Delhi. 9. Oommen, T.K. (2004). <i>Nation, Civil Society and Social Movements: Essays in Political Sociology</i>, Sage Publications, New Delhi. 10. Purdue, Derrick (Ed.) (2007). <i>Civil Societies and Social Movements: Potentials and Problems</i>, Routledge, London. 11. Jones, Kenneth W. (1989). <i>Socio-Religious Reform Movements in British India</i>, Cambridge University Press, Cambridge. 12. Guha, Ramachandra (2000). <i>The Unquiet Woods: Ecological Change and Peasant Resistance in the Himalaya</i>, Oxford University Press, Delhi. 13. Kannabiran, Kalpana (Ed.) (2012). <i>Law, Justice and Human Rights in India: Themes in Politics</i>, Oxford University Press, New Delhi. 14. Naik, Ruchika K. (2023). <i>Relevance of Duty in Reference to Dharma: A Jurisprudential Perspective</i>, Indian Journal of Legal Theory, Vol. 8, No. 1. 15. Pai, Nitin (2021). <i>A Brief Economic History of Swadeshi</i>, Takshashila Institution Research Paper. 16. Amnesty International (Annual Reports – Latest Editions). <i>State of the World's Human Rights</i>, Amnesty International Publications. 17. United Nations High Commissioner for Refugees (UNHCR). <i>Annual Global Trends Reports</i>. 18. National Human Rights Commission (NHRC – India). <i>Annual Reports and Thematic Studies</i>. 			


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A. Human Rights (Semester-3) – DEC-3

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	III
Name of the Course	Women and Human Rights
Course Code	M24-HRT-303
Course Type	DEC-3
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)

After completing this course, the learner will be able to:

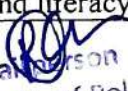
- CLO 1: Understand the historical, social, and legal perspectives on the status of women in India.
 CLO 2: Analyse international norms and conventions aimed at protecting women's rights.
 CLO 3: Evaluate institutional mechanisms and international agreements for the protection of women.
 CLO 4: Examine the constitutional provisions and policies aimed at promoting gender equality and women's empowerment in India.

Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Perspectives on the status of women in India include historical, philosophical, and social dimensions; the status of women in Vedic and ancient India, medieval India, and modern contemporary India.	15
II	International Norms for the Protection of Women: ILO Convention for the Protection of Female Labour; UNESCO Convention against Discrimination in Education (1960); Convention on the Elimination of All Forms of Discrimination Against Women (1979); UN Convention on the Political Rights of Women (1952).	15
III	Institutional Mechanism for the Protection of Women: Convention on the Elimination of All Forms of Discrimination Against Women (1979); the Vienna Declaration and Programme of Action on Human Rights (1993); Declaration on the Elimination of Violence Against Women (1993); Declaration on the Participation of Women in Promoting International Peace and Cooperation (1982).	15
IV	Constitution of India and the Status of Women: Fundamental Rights and Directive Principles under the Constitution; women and public policy encompassing female health, family welfare, and literacy programmes.	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Contemporary debates focus on women's political rights and their status under various personal laws.		Total Contact Hours		60
Suggested Evaluation Methods				
Internal Assessment: 30			End Term Examination: 70	
➤ Theory		30	➤ Theory:	70
• Class Participation:		5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:		10		
• Mid-Term Exam:		15		
Part C-Learning Resources				
Recommended Books/e-resources/LMS:				
<ol style="list-style-type: none"> 1. UN Centre for Human Rights (1995). <i>Harmful Traditional Practices Affecting the Health of Women and Children</i>. Geneva: World Campaign for Human Rights. 2. Kaushal, Rachna (2000). <i>Women and Human Rights in India</i>. New Delhi: Kaveri Books. 3. Khan, Mumtaz Ali (1998). <i>Women and the Human Rights</i>. Commonwealth, New Delhi. 4. Kaushik, Vijay (1999). <i>Women's Movements and Human Rights</i>. Pointer Publishers, Jaipur. 5. Mukhopadhyay, S. (ed.) (1998). <i>In the Name of Justice: Women and Law in Society</i>. Manohar, New Delhi. 6. Mishra, Jyotsana (2000). <i>Women and Human Rights</i>. Kalpaz Publications, New Delhi. 7. Nirmal, C.J. (1999). <i>Human Rights in India</i>. Oxford, New Delhi. 8. Pachauri, S.K. (1999). <i>Women and Human Rights</i>. APH Publications, New Delhi. 9. Saxena, Shobha (1999). <i>Crimes Against Women and Protective Laws</i>. Deep and Deep, New Delhi. 10. South Asian HRDC (2006). <i>Introducing Human Rights: An Overview Including Issues of Gender Justice, Environmental and Consumer Law</i>. Oxford University Press, New Delhi. 11. UN (1999). <i>Convention on the Elimination of All Forms of Discrimination Against Women</i>. UN Department of Public Information, New York. 				


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

M.A. Human Rights (Semester-3) – DEC-3

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	III
Name of the Course	Children and Human Rights
Course Code	M24-HRT-304
Course Type	DEC-3
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)

After completing this course, the learner will be able to:


- CLO 1: Understand the historical, philosophical, and social perspectives on child rights in India.
 CLO 2: Analyse the constitutional provisions and legal norms for the protection of children's rights.
 CLO 3: Evaluate international norms and conventions aimed at safeguarding children's rights.
 CLO 4: Examine the institutional mechanisms and policies for addressing issues related to child rights and welfare.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Historical, philosophical, and social perspectives on child rights in India; Indic thought on the sanctity of childhood and duties towards children in classical texts; status of children in ancient and medieval India; contemporary challenges with a focus on reform and rehabilitation.	15
II	Indian Constitution's Status: Fundamental Rights and Directive Principles concerning children; key provisions such as Articles 15(3), 24, 39(e) and (f), and 45; proactive role of the judiciary and public institutions in safeguarding child welfare; community and family-based child support systems in Indian tradition.	15
III	Legal Framework and National Policies: The Pre-Conception and Pre-Natal Diagnostic Techniques (Prohibition of Sex Selection) Act, 1994 (amended in 2003); Child Labour (Prohibition and Regulation) Act, 1986 (amended in 2016); Juvenile Justice (Care and Protection of Children) Acts of 2000 and 2015; National Policy for Children, 2013; and various child-centric programmes promoting dignity, education, and protection.	15
IV	International Norms and Commitments: UN Convention on the Rights of the Child (1989); ILO Conventions on Child Labour; Declaration on the Protection and Welfare of Children; India's constructive engagement	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

with international standards while upholding national cultural values and sovereignty in child welfare policies.			
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ol style="list-style-type: none"> 1. Agrawal, Amita (1992). <i>Handbook on Child</i>. Concept Publishing Company, New Delhi. 2. Diwan, Paras and Peeyushi Diwan (1994). <i>Children and Legal Protection</i>. Deep and Deep, New Delhi. 3. Khanna, S.K. (1998). <i>Children and the Human Rights</i>. Commonwealth, New Delhi. 4. Kumar, Bindal (2000). <i>Problems of Working Children</i>. APH Publications, New Delhi. 5. UN Centre for Human Rights (1995). <i>Practices Harmful Traditional Affecting the Health of Women and Children</i>. Geneva: World Campaign for Human Rights. 6. Mookerjee, A. (2007). <i>Commentaries on the Juvenile (Care and Protection of Children) Act, 2000</i>. Kamal Law House, Kolkata. 7. Bagula, A.M. (2006). <i>Child and Crime</i>. SBS Publishing & Distributors, New Delhi. 8. Bhandra, Mita (1999). <i>Girl Child in Indian Society</i>. Rawat, New Delhi. 9. Bhargava, Vanita (1996). <i>Adoption in India</i>. Sage Publications, New Delhi. 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

M.A. Human Rights (Semester-3) – DEC-4

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	III
Name of the Course	Human Rights and Duties of the aged and disabled
Course Code	M24-HRT-305
Course Type	DEC-4
Level of the course	500-599
Pre-requisite for the course (if any)	N A
Course Learning Outcomes (CLO)	

After completing this course, the learner will be able to:

CLO 1: Understand the historical, philosophical, and social perspectives on child rights in India.

CLO 2: Analyse the constitutional provisions and legal norms for the protection of children's rights.

CLO 3: Evaluate international norms and conventions aimed at safeguarding children's rights.

CLO 4: Examine the institutional mechanisms and policies for addressing issues related to child rights and welfare.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max: Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Aging and Ageism: Conceptual understanding of aging; key challenges of the aged in medical, economic, social, and psychological domains; perspectives on aging including disengagement, activity, continuity, exchange, and Indic views on vanaprastha and intergenerational duty.	15
II	Disability: Definitions, categories, and causes; understanding disability through various approaches — charity, bio-centric, functional, and rights-based; emphasis on dignity, empowerment, and inclusion rooted in civilizational ethics.	15
III	Legal and Institutional Framework: Constitutional provisions— Fundamental Rights, Directive Principles, and Duties; key legislations including the Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995, and the Mental Healthcare Act, 2017; role of state institutions, judiciary, education, media, and community-based organisations.	15
IV	International Norms and National Initiatives: UN Declarations on the Rights of Disabled Persons (1975) and Mentally Retarded Persons (1971); Madrid International Plan of Action on Ageing (2002); Indian initiatives promoting dignity, protection, and participation of the elderly	15



 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

and persons with disabilities in national development.		Total Contact Hours		60
Suggested Evaluation Methods				
Internal Assessment: 30			End Term Examination: 70	
➤ Theory	30	➤ Theory:	70	
• Class Participation:	5	Written Examination		
• Seminar/presentation/assignment/quiz/class test etc.:	10			
• Mid-Term Exam:	15			

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. UN (1993). *Human Rights and Disabled Persons*. Geneva: World Campaign for Human Rights.
2. Jacob, Alice (1998). "Towards a Regime of Rights of Older Persons," *Journal of Indian Law Institute*.
3. Karna, G. and K. Gaharana (1994). "Rights of Disabled Persons," in K.P. Saksena (ed.), *Human Rights: Perspective and Challenges*. New Delhi.
4. Karna, G.N. (2001). *Disability Studies in India: Retrospect and Prospect*. Gyan Publishing House, New Delhi.
5. "Enforcement of Rights of the Disabled," *Journal of Indian Law Institute*, Vol. 38, No. 4.
6. Karna, G.N. (2000). "Disability Rights Movement: Conceptual Framework and its Implications for India," *Disabilities and Impairments*, Vol. 14, No. 1.
7. National Human Rights Commission (Year varies). *Disability Manual*. NHRC, New Delhi.
8. Mehrotra, Nilika (ed.) (2020). *Disability Studies in India: Interdisciplinary Perspectives*. Routledge, New Delhi.
9. Bakshi, Kaustav & Chakravarti, Paromita (Eds.) (2024). *Cultures of Ageing and Ageism in India*. Routledge, New Delhi.
10. *Rethink Ageing: Lessons from India* (2022). Penguin Random House India.
11. *Handbook on Rights of Persons with Disability* (2024). Khaitan & Co.
12. NHRC, India (Latest Ed.). *Annual Reports and Thematic Studies on Disability and Elderly*.
13. Sankrant Sanu (2019). "The Hindu View of Disability, Inclusion, and Dignity," in *The Modern School Issue on Indian Knowledge Systems*.
14. *Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995; The Rights of Persons with Disabilities Act, 2016; and Mental Healthcare Act, 2017*.
15. United Nations (Various Years). *UN Declarations on the Rights of Disabled Persons (1975); Mentally Retarded Persons (1971); Madrid International Plan of Action on Ageing (2002)*.


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

M.A. Human Rights (Semester-3) – DEC-4

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	III
Name of the Course	International Humanitarian and Refugee Laws
Course Code	M24-HRT-306
Course Type	DEC-4
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)

After completing this course, the learner will be able to:

CLO 1: Understand the origin and principles of International Humanitarian Law.

CLO 2: Analyse enforcement mechanisms and challenges in humanitarian law.

CLO 3: Examine key aspects of international refugee law and protections.


CLO 4: Evaluate refugee protection frameworks and practices in India.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Conceptual Foundations: Evolution of International Humanitarian Law (IHL); balance between military necessity and humanitarian principles; relevance of IHL in internal conflicts; role of the Red Cross and ancient Indian concepts of Just War and Non-violence in shaping humanitarian norms.	15
II	Mechanisms and Challenges: Protecting power; role of the United Nations, International Criminal Court, and ad hoc tribunals; humanitarian intervention versus national sovereignty; India's commitment to civilisational duties in disaster relief and assistance; challenges of repatriation, integration, and national security in refugee management.	15
III	International Refugee Law: Historical development from post-WWII to contemporary frameworks; 1951 Refugee Convention and 1967 Protocol; core protections including non-refoulement and asylum; critique of Eurocentric assumptions in refugee law; regional approaches and role of UNHCR.	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

IV	Protection in India: India's critique of the UNHCR and the 1951 Refugee Convention; protection without formal legislation through constitutional provisions and case law; status of refugees in India under UNHCR supervision; India's humanitarian and civilisational approach to displaced populations; historical experiences with large-scale displacement, including during the Partition of 1947.	15
Total Contact Hours		60

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Bond, B.E. Harrel (1985). *Imposing Aid: Emergency Assistance to Refugees*. Oxford University Press, New York.
2. Chakrabarty, Manik (1998). *Human Rights and Refugees: Problems, Law and Practices*. Deep and Deep Publications, New Delhi.
3. Chimni, B.S. (2000). *International Refugee Law: A Reader*. Sage Publications, New Delhi.
4. Gaza Heregh (1984). *Development of International Humanitarian Law*. Akademiai Kiado, Budapest.
5. Goodwin-Gill, Guy S. (1996). *The Refugee in International Law*. Oxford University Press, Oxford.
6. Grahl-Madsen, Atle (1972). *The Status of Refugees in International Law*. A.W. Sijthoff, Leiden.
7. Hathaway, James C. (1991). *The Law of Refugee Status*. Butterworths, Toronto.
8. Hingorani, R.C. (ed.) (1991). *Humanitarian Law*. Oxford and IBH Publishing Co., New Delhi.
9. Loescher, Gil and L. Mohan (eds.) (1989). *Refugees and International Relations*. Oxford University Press, Oxford.
10. Mani, V.S. (1993). "Humanitarian Intervention and International Law," *Indian Journal of Law*, Vol. 33.
11. Mani, V.S. (2001). "International Humanitarian Law: An Indo-Asian Perspective," *International Review of the Red Cross*, No. 841.
12. Muntarbhorn, Vitit (1993). *The Status of Refugees in Asia*. Clarendon Press, Oxford.
13. Patil, U.T. and P.R. Trivedi (2000). *Refugees and Human Rights*. Author Press, Delhi.
14. Venkata Rao, Mamta (2013). *Humanitarian Law: International and Indian Perspectives*. LexisNexis, Gurgaon.
15. Gonsalves, Colin (2018). *Refugee Law in India: The Road from Ambiguity to Protection*. Thomson Reuters, New Delhi.
16. Kautilya (trans. R. Shamasastri) (1915, reprints). *Arthashastra*. (Select passages on ancient Indian rules of war—Dharma Yuddha and realpolitik; useful for civilizational/Indic perspective.)
17. Kapila, Subhash (2019). "Dharma Yuddha: Ethical Warfare in Indian Civilization" in *Indian Defence Review*, Vol. 34.
18. Tharoor, Shashi (2011). *Pax Indica: India and the World of the 21st Century*. Penguin Books, New Delhi. (Covers India's humanitarian tradition, disaster relief, and strategic autonomy; includes centrist-moderate right reflections.)

19. International Committee of the Red Cross (latest eds.). *Handbook of International Humanitarian Law*. ICRC, Geneva.
20. United Nations High Commissioner for Refugees (latest eds.). *UNHCR Global Reports/India Country Reports*


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A. Human Rights (Semester-3) – DEC-5

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	III
Name of the Course	Development, Globalization and Human Rights
Course Code	M24-HRT-307
Course Type	DEC-5
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)

After completing this course, the learner will be able to:

- CLO 1:** Understand development theories and human rights integration.
- CLO 2:** Analyse sovereignty, trade, and human rights standards.
- CLO 3:** Examine globalization’s impact on society and rights.
- CLO 4:** Evaluate international trade systems and human rights violations.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Perspectives on Development: Modernization and self-reliance; Indian civilizational ethos and development; integrating human dignity and ethics in development; poverty, exclusion and rights-based empowerment.	15
II	Sovereignty and Human Rights: National interests in global trade; ethical governance and responsibilities of transnational corporations; economic sovereignty and community rights; evolving human rights standards in trade.	15
III	Globalization and Human Rights: Globalization—concept and contestations; its influence on Indian agriculture, labour, women, environment and cultural identities; safeguarding traditional livelihoods and cultural diversity.	15
IV	International Trade and Human Rights: Global trade architecture and development justice; role of WTO and implications of GATT; ensuring equity in global markets; corporate accountability and protection of community rights.	15


Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

		Total Contact Hours		60
Suggested Evaluation Methods				
Internal Assessment: 30			End Term Examination: 70	
➤ Theory		30	➤ Theory:	70
• Class Participation:		5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:		10		
• Mid-Term Exam:		15		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Bhagwati, Jagdish (2004). *In Defense of Globalization*. Oxford University Press.
2. Panagariya, Arvind (2008). *India: The Emerging Giant*. Oxford University Press.
3. Sen, Sumit (2003). *Globalization and Development: A Handbook of New Perspectives*. Oxford University Press.
4. Bauer, P.T. (1976). *Dissent on Development*. Harvard University Press.
5. Dasgupta, A.K. (2000). *Indian Economic Thought: Twentieth Century Perspectives*. Sage Publications.
6. Nayar, Baldev Raj (2001). *Globalization and Nationalism: The Changing Balance in India's Economic Policy, 1950-2000*. Sage Publications.
7. Klausen, Jytte (1999). *Ethics and Community: Reflections on the Ethical Nature of the Nation State*. Rowman & Littlefield.
8. Tharoor, Shashi (2016). *An Era of Darkness: The British Empire in India*. Aleph Book Company.
9. Menon, N.R. Madhava (1999). "State of Economic and Social Rights," in K.P. Saksena (ed.), *Human Rights: Fifty Years of India's Independence*. Gyan Publishing House, New Delhi.
10. Cherian, Anita et al. (2004). *Human Rights Approach to Development: Resource Book*. Books for Change, Bangalore.
11. Centre for Development and Human Rights (2004). *The Right to Development: A Primer*. New Delhi: Sage.
12. Mallik, Ross (1998). *Development, Ethnicity and Human Rights in South Asia*. Sage, New Delhi.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A. Human Rights (Semester-3) – DEC-5

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	III
Name of the Course	People's Right to Self-Determination
Course Code	M24-HRT-308
Course Type	DEC-5
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)

After completing this course, the learner will be able to:

- CLO 1: Understand key concepts and dimensions of self-determination.
 CLO 2: Analyse theories and historical developments of self-governance.
 CLO 3: Examine nationalism, autonomy, and Union-State relations in India.
 CLO 4: Evaluate international principles and debates on self-determination.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Normative and Conceptual Perspectives: Understanding self-determination as a principle and process; conceptual linkages with autonomy, democracy, and governance; dimensions of self-determination — internal and external; emerging debates on identity, representation, and inclusive development.	15
II	Origins and Developments of the Concept: Ideas of self-rule and collective identity — Kant, Locke, Rousseau, Marx; pluralism and legitimacy of governance — Laski, MacIver; anti-colonial struggles and national awakening; Indian experience in self-governance and civilisational continuity within global transformations.	15
III	The Indian Case: Evolution of the idea of Swaraj and self-rule in India; contributions of national leaders such as Tilak and Gandhi in shaping democratic aspirations; development of federalism and the demand for autonomy; strengthening of constitutional governance; issues in Union-State relations and the role of the Rajamannar and Sarkaria Commissions in promoting cooperative federalism.	15
IV	Self-Determination in International Relations: Development of self-	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

determination in global governance — League of Nations, Atlantic Charter (1941), UN Charter (Articles 1(2), 55–56, Chapters XI–XIII); UN role in decolonisation and peace-building; interplay between state sovereignty and people’s rights; contemporary perspectives on economic, political, and cultural self-determination.			
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ol style="list-style-type: none"> 1. Cobban, A. (1969). <i>The Nation-State and National Self-Determination</i>. Leiden: Sijthoff. 2. Cases, Antonio (1995). <i>Self-Determination of Peoples</i>. Cambridge University Press, Oxford. 3. Nirmal, B.C. (1999). <i>Rights of Self-Determination in International Law: Evolution, UN Law and Practice, New Dimensions</i>. Deep and Deep Publications, New Delhi. 4. UN (1981). <i>The Right to Self-Determination: Historical and Current Development on the Basis of United Nations Instruments</i>. UN Publication Division, New York. 5. Tomaschat, C. (ed.) (1993). <i>Modern Law of Self-Determination</i>. Dordrecht: Martinus Nijhoff. 6. Kirgis, Frederic L. Jr. (1994). "The Degrees of Self-Determination in the United Nations Era," <i>American Journal of International Law</i>, Vol. 88, No. 2. 7. Guruswamy, M. et al. (1997). "The Contemporary Character of the Principle of Self-Determination," <i>Indian Journal of International Law</i>, Vol. 37. 8. Swan, George S. (1982). "Self-Determination and the United Nations Charter," <i>Indian Journal of International Law</i>, Vol. 22. 9. Joshi, P.C. (1994). "The Right to Self-Determination: Its Scope and Limits," <i>Journal of Philosophical Studies</i>, Vol. 1, No. 1, February. 10. Partsch, Karl Josef (1982). "Fundamental Principles of Human Rights: Self-Determination, Equality and Non-Discrimination," in Karel Vasak (ed.), <i>The International Dimensions of Human Rights</i>, Vol. I, Paris, UNESCO. 11. UN (1980). <i>The Right to Self-Determination: Implementation of United Nations Resolutions</i>. UN Publication Division, New York. 12. Norbu, Dawa (1997). "Self-Determination in the Post-Soviet Era: A Case Study of Tibet," <i>International Studies</i>, Vol. 34. 13. Mendelson, M.H. (1996). "Self-Determination in Jammu and Kashmir," <i>Indian Journal of International Law</i>, Vol. 36. 14. Saini, R.S. (1998). "Is the Right to Self-Determination Relevant to Jammu and Kashmir," <i>Indian Journal of International Law</i>, Vol. 38. 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

M.A. Human Rights (Semester-4) – CC-11*
 *same for students opting Dissertation or Project work

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	IV
Name of the Course	Human Rights: Ambedkar's Perspective
Course Code	M24-HRT-401
Course Type	CC-11
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)

After completing this course, the learner will be able to:

CLO 1: Understand Ambedkar's life, experiences, and philosophical influences.

CLO 2: Analyse Ambedkar's approach to human rights and social equality.

CLO 3: Examine Ambedkar's key contributions and reform movements.

CLO 4: Evaluate the contemporary relevance of Ambedkar's ideas and vision.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Ambedkar's Life and Philosophical Foundations — Ambedkar's personal experiences with untouchability and caste discrimination; influence of Buddhism, Western liberal thought, and social reformers.	15
II	Ambedkar's Approach to Human Rights and Equality — Concept of constitutional morality and the rule of law; rights of marginalized communities; Annihilation of Caste and Social Justice; Ambedkar's advocacy for political representation.	15
III	Ambedkar's Contributions and Movements — Drafting of the Indian Constitution and its human rights provisions; Mahad Satyagraha and the temple entry movement; conversion to Buddhism and Ambedkar's role in labour and women's rights movements.	15
IV	Contemporary Relevance of Ambedkar's Thought — Ambedkar's influence on human rights movements; Ambedkar's vision of social justice and its relevance today; Ambedkar's ideas on democracy; Ambedkar's contributions to human rights education and awareness.	15
Total Contact Hours		60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
> Theory	30	> Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ol style="list-style-type: none"> 1. Ambedkar, B.R. (1945). <i>Thoughts on Pakistan</i>. Thacker & Co. 2. Ambedkar, B.R. (1987). <i>The Buddha and His Dhamma</i>. Siddharth College Publications. 3. Ambedkar, B.R. (1995). <i>Bharat Bhagya Vidhata: The World's Renaissance</i>. Dr. Babasaheb Ambedkar Source Materials Publication Committee. 4. Ambedkar, B.R. (2014). <i>Annihilation of Caste: The Annotated Critical Edition</i> (S. Anand, Ed.). Navayana Publishing. 5. Jaffrelot, C. (2005). <i>Dr. Ambedkar and Untouchability: Analyzing and Fighting Caste</i>. Permanent Black. 6. Keer, D. (1954). <i>Dr. Ambedkar: Life and Mission</i>. Popular Prakashan. 7. Moon, V. (Ed.). (1979). <i>Dr. Babasaheb Ambedkar: Writings and Speeches</i> (Vol. 1-22). Education Department, Government of Maharashtra. 8. Naik, C.D. (2003). <i>Thoughts and Philosophy of Dr. B.R. Ambedkar</i>. APH Publishing Corporation. 9. Rodrigues, V. (Ed.). (2002). <i>The Essential Writings of B.R. Ambedkar</i>. Oxford University Press. 10. Zelliott, E. (2013). <i>Ambedkar's World: The Making of Babasaheb and the Dalit Movement</i>. Navayana Publishing. 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

M.A. Human Rights (Semester-4) – CC-12

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	IV
Name of the Course	International Obligations to Protect Human Rights
Course Code	M24-HRT-402
Course Type	CC-12
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)

After completing this course, the learner will be able to:

- CLO 1: Understand the concept and sources of international obligations.
- CLO 2: Analyse the evolution of international concern for human rights protection.
- CLO 3: Examine international legal obligations to protect human rights.
- CLO 4: Evaluate crimes against humanity and related international legal frameworks.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		


Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Concept of International Obligations: Understanding legal, moral, and civilizational obligations in global affairs; sources of international law as outlined in Article 38(1) of the Statute of the International Court of Justice; Indian civilizational ethos and dharma as a foundational concept of duty.	15
II	International Concern for the Protection of Human Rights: Evolution of international concern for the protection of the individual rights; colonial European powers' role and abolition of slave trade; rise of humanitarian law; League of Nations and the Mandate System; labour welfare and the role of the ILO; Indic traditions of compassion and community well-being.	15
III	Obligations to Protect Human Rights: International customary law and moral commitments through declarations and resolutions; the principle of cooperation under Articles 1 and 56 of the UN Charter; duty to assist in crises; evolving doctrine of Responsibility to Protect (R2P) with emphasis on sovereignty, self-determination, and balanced intervention.	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

IV	Crime against Humanity and Human Rights: International Military Tribunals for trials of major war criminals. Response to war crimes, fascism, and genocide; the Nuremberg and Tokyo trials (1946) as moral reckonings; the evolution of international criminal justice; enduring value of human dignity and justice over power politics.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Breen, Claire (2016). <i>The Standard of the Best Interests of the Child: A Western Tradition in International and Comparative Law</i>. Springer, Cham. 2. Hazony, Yoram (2018). <i>The Virtue of Nationalism</i>. Basic Books, New York. 3. Fukuyama, Francis (2018). <i>Identity: The Demand for Dignity and the Politics of Resentment</i>. Farrar, Straus and Giroux, New York. 4. Malhotra, Rajiv (2011). <i>Being Different: An Indian Challenge to Western Universalism</i>. HarperCollins, India. 5. Simma, Bruno (ed.) (2012). <i>The Charter of the United Nations: A Commentary (3rd Edition)</i>. Oxford University Press, Oxford. 6. Moyn, Samuel (2018). <i>Not Enough: Human Rights in an Unequal World</i>. Harvard University Press, Cambridge, MA. 7. Ishay, Micheline (2008). <i>The History of Human Rights: From Ancient Times to the Globalization Era (Updated Edition)</i>. University of California Press, Berkeley. 8. Narlikar, Amrita (2020). <i>Poverty Narratives and Power Paradoxes in International Trade Negotiations and Beyond</i>. Cambridge University Press, Cambridge. 9. Jha, Indra Mohan (2014). <i>Human Rights and Indian Values: An Interplay</i>. Regal Publications, New Delhi. 10. Anderson, Carol (2016). <i>White Rage: The Unspoken Truth of Our Racial Divide</i>. Bloomsbury, New York. 11. Rohac, Dalibor (2019). <i>In Defense of Globalism: How Open Societies Can Save the World</i>. Rowman & Littlefield, Lanham. 12. Thakur, Ramesh (2016). <i>The United Nations, Peace and Security: From Collective Security to the Responsibility to Protect (2nd Edition)</i>. Cambridge University Press, Cambridge. 13. Bellamy, Alex J. (2015). <i>The Responsibility to Protect: A Defense</i>. Oxford University Press, Oxford. 14. Chesterman, Simon (2011). <i>Just War or Just Peace? Humanitarian Intervention and International Law</i>. Oxford University Press, Oxford. 15. Deng, Francis Mading (2012). <i>Sovereignty as Responsibility: Conflict Management in Africa</i>. Brookings Institution Press, Washington, DC. 16. Snyder, Timothy (2018). <i>The Road to Unfreedom: Russia, Europe, America</i>. Tim Duggan Books, New York. 17. Bass, Gary Jonathan (2008). <i>Freedom's Battle: The Origins of Humanitarian Intervention</i>. Knopf, New York. 18. Totten, Samuel & Parsons, William S. (ed.) (2013). <i>Centuries of Genocide: Essays and</i> 		


 Person
 Dept. of Political Science
 K.U. Kurukshetra-136119

Eyewitness Accounts (4th Edition). Routledge, London.

19. Power, Samantha (2002). *A Problem from Hell: America and the Age of Genocide*. Basic Books, New York.

20. Ratner, Steven R. & Abrams, Jason S. (2001). *Accountability for Human Rights Atrocities in International Law: Beyond the Nuremberg Legacy (2nd Edition)*. Oxford University Press, Oxford.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A. Human Rights (Semester-4) – DEC-6*
***same for students opting Dissertation and Project work**

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Human Rights		
Semester	IV		
Name of the Course	Disadvantaged Groups and Human Rights		
Course Code	M24-HRT-403		
Course Type	DEC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)	N A		
Course Learning Outcomes (CLO)			
After completing this course, the learner will be able to:			
CLO 1: Understand the concept, history, and issues of disadvantaged groups in India.			
CLO 2: Analyse the contemporary status and challenges of disadvantaged communities.			
CLO 3: Examine constitutional protections, laws, and institutional mechanisms for disadvantaged groups.			
CLO 4: Evaluate international norms and standards on the rights of indigenous and disadvantaged people.			
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics	Contact Hours	
I	Concept and Historical Context: Concept of disadvantaged groups; historical roots in feudal and caste structures; socio-economic exclusion and resilience; British colonial policies and their impact on traditional communities and livelihoods.	15	
II	Contemporary Status and Challenges: Identification and inclusion of Scheduled Castes, Scheduled Tribes, Other Backward Classes and Denotified Tribes; persistent concerns of economic deprivation, social exclusion, and discrimination; progress in empowerment through education, land rights, entrepreneurship, and political representation.	15	
III	Constitutional and Institutional Safeguards: Fundamental Rights and Directive Principles; constitutional provisions including Articles 15(4), 16(4), 17, 46, etc.; protective legislations — Protection of Civil Rights Act (1955), SC/ST (Prevention of Atrocities) Act (1989), Prohibition of	15	


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

	Employment as Manual Scavengers and their Rehabilitation Act (2013); institutional mechanisms — National Commissions, legal aid, public education and role of civil society.	
IV	International Standards and Commitments: UN Declaration on the Rights of Indigenous Peoples (2007); ILO Convention No. 169 (1989); UN Voluntary Fund for Indigenous Populations (1985); India's engagement with global human rights standards in harmony with its civilizational ethos of dignity, harmony, and justice.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Bhargava, G.S. and R.M. Pal (eds.) (2000). <i>Human Rights of Dalits: Societal Violation</i>. Gyan Publishing House, New Delhi. 2. Bhatia, K.L. et al. (1995). <i>Social Justice of Dr. B.R. Ambedkar</i>. Deep and Deep, New Delhi. 3. Black, Edwin (2013). <i>The War Against the Weak: Eugenics and America's Campaign to Create a Master Race (Expanded Ed.)</i>. Dialog Press, Washington D.C. 4. Ferguson, Niall (2011). <i>Civilization: The West and the Rest</i>. Penguin Press, New York. 5. Gallagher, Adrian (2013). <i>Genocide and Its Threat to Contemporary International Order</i>. Palgrave Macmillan, London. 6. Giridhar, Gormango (1987). <i>Constitutional Provisions for the SCs and STs</i>. H.K. Publishers, New Delhi. 7. Goldhagen, Daniel Jonah (2013). <i>Worse Than War: Genocide, Eliminationism, and the Ongoing Assault on Humanity</i>. PublicAffairs, New York. 8. Hazony, Yoram (2018). <i>The Virtue of Nationalism</i>. Basic Books, New York. 9. Kazimi, M.R. (1996). "Judiciary and the Protection of the Right of the Minorities in India," in Mumtaz Ali Khan (ed.), <i>Human Rights and the Dalits</i>. D.K. Publications, New Delhi. 10. Kissinger, Henry (2014). <i>World Order</i>. Penguin Press, New York. 11. Mahoney, Daniel (2011). <i>The Conservative Foundations of the Liberal Order: Defending Democracy Against Its Modern Enemies and Immoderate Friends</i>. ISI Books, Wilmington. 12. Mahoney, Daniel (2018). <i>The Idol of Our Age: How the Religion of Humanity Subverts Christianity</i>. Encounter Books, New York. 13. Malhotra, Rajiv (2011). <i>Being Different: An Indian Challenge to Western Universalism</i>. HarperCollins, India. 14. Pillai, R.V. (1999). "Development Issues in Human Rights with Reference to the Scheduled Castes and the Scheduled Tribes," in A.P. Vijapur and Kumar Suresh (eds.), <i>Perspectives on Human Rights</i>. Manak Publications, New Delhi. 15. Reddy, Jagmihan (1981). <i>Minorities and the Constitution</i>. Concept Publishing, New Delhi. 16. Sinha, S.P. (1993). <i>Conflict and Tension in Tribal Society</i>. Commonwealth Publishers, New Delhi. 17. Snyder, Timothy (2018). <i>The Road to Unfreedom: Russia, Europe, America</i>. Tim Duggan Books, New York. 18. Thakur, Ramesh (2016). <i>The United Nations, Peace and Security: From Collective Security to the</i> 		


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Responsibility to Protect (2nd Ed.). Cambridge University Press, Cambridge.

19. UN Centre for Human Rights (1991). *Study on the Rights of Persons Belonging to Ethnic, Religious and Linguistic Minorities*. United Nations, Geneva.
20. UN Centre for Human Rights (1997). *The Rights of Indigenous Peoples*. United Nations, Geneva.
21. UN High Commissioner for Human Rights (1997). *Protection of the Heritage of Indigenous People*. United Nations, Geneva.


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A. Human Rights (Semester-4) – DEC-6*
***same for students opting Dissertation and project work**

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	IV
Name of the Course	Working Class and Human Rights
Course Code	M24-HRT-404
Course Type	DEC-6
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)

After completing this course, the learner will be able to:

- CLO 1: Understand the concept, status, and classification of the working class.
 CLO 2: Analyse the ideology, rights, and development of working-class movements.
 CLO 3: Examine labour welfare problems and worker-employer conflicts.
 CLO 4: Evaluate international and Indian standards for labour protection and welfare.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Conceptual Understanding: Definition and classification of the working class; status and contribution of workers across sectors — including women, children, migrant, bonded, agricultural, and informal workers — in nation-building.	15
II	Ideological Evolution and Rights Framework: Working class movements in India; evolution from laissez-faire to welfare governance; privatization, globalization, and Atmanirbhar Bharat; fundamental rights and duties relating to labour — right to association, dignified work, access to education and information; development of trade unionism; emphasis on labour dignity and industrial harmony.	15
III	Labour Welfare and Industrial Culture: Challenges of workplace safety, health, and social security; collective bargaining; workers' participation in management; technological transitions and skill development; reconciling rights and responsibilities of both workers and employers; fostering productive work culture and dispute resolution mechanisms.	15

Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

IV	National and International Institutional Framework: ILO labour standards and global labour ethics; India's constitutional provisions and labour reforms; role of international labour bodies and India's engagement with them; labour codes, state and national mechanisms, and emerging welfare-oriented policy paradigms.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. ILO (1970). <i>Trade Union Rights and Their Relation to Civil Liberties</i>. Geneva: International Labour Office. 2. ILO (1974). <i>Migrant Workers</i>. Geneva: International Labour Office. 3. Jenks, C.W. (1960). <i>Human Rights and International Labour Standards</i>. Stevens, London. 4. Valticos, N. (1979). <i>International Labour Law</i>. Kluwer, Netherlands. 5. Jain, Mahavir (1997). <i>Bonded Labour Justice through Judiciary</i>. Manak Publications, New Delhi. 6. Kumar, Bindal (2000). <i>Problems of Working Children</i>. APH Publications, New Delhi. 7. Mehta, P.L. (1996). <i>Child Labour and the Law</i>. Deep and Deep, New Delhi. 8. Sarkar, Sumit and Sarkar, Tanika (eds.) (2008). <i>Caste in Modern India: A Reader</i>. Permanent Black, Delhi. 9. Panagariya, Arvind (2008). <i>India: The Emerging Giant</i>. Oxford University Press, New York. 10. Breman, Jan (2013). <i>At Work in the Informal Economy of India: A Perspective from the Bottom Up</i>. Oxford University Press, New Delhi. 11. Bhagwati, Jagdish (2004). <i>In Defense of Globalization</i>. Oxford University Press, New York. 12. Deshpande, Satish (2011). <i>Contemporary India: A Sociological View</i>. Penguin, New Delhi. 13. Friedman, Thomas (2005). <i>The World is Flat: A Brief History of the Twenty-First Century</i>. Farrar, Straus & Giroux, New York. 14. Debroy, Bibek (2016). <i>On the Indian Constitution and Indian Economy: A Review</i>. Academic Foundation, Delhi. 15. Panagariya, Arvind and More, Vijay (eds.) (2012). <i>Reforms and Economic Transformation in India</i>. Oxford University Press, New Delhi. 16. Nayyar, Deepak (2013). <i>Liberalization and Development: Essays on India's Economic Reform</i>. Oxford University Press, New Delhi. 17. ILO (2011). <i>International Labour Standards: A Global Approach</i>. International Labour Office, Geneva. 18. Shyam Sundar, K.R. (2012). <i>Labour Regulation in Indian Industry: Towards Inclusive Growth</i>. Routledge India, New Delhi. 19. Sachs, Jeffrey D. (2015). <i>The Age of Sustainable Development</i>. Columbia University Press, New York. 		


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

M.A. Human Rights (Semester-4) – DEC-7

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	IV
Name of the Course	Weaker Sections and Human Rights in India
Course Code	M24-HRT-405
Course Type	DEC-7
Level of the course	500-599
Pre-requisite for the course (if any)	N A
Course Learning Outcomes (CLO)	

After completing this course, the learner will be able to:

- CLO 1: Understand laws, constitutional provisions, and challenges related to Dalit human rights.
 CLO 2: Analyse laws protecting women’s rights and examine women’s status in contemporary India.
 CLO 3: Examine constitutional and legal frameworks for protecting minority rights in India.
 CLO 4: Evaluate human rights implementation challenges and the role of NGOs and civil society in India.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions, asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Theory and Practice of Human Rights of Dalits and Tribals in India: Constitutional safeguards and special laws for the protection of Scheduled Castes (SCs) and Scheduled Tribes (STs); National Commissions for SCs and STs; Protection of Civil Rights Act (1955); SC/ST (Prevention of Atrocities) Act (1989, amended 2015 and 2018); Forest Rights Act (2006); issues of caste-based and ethnic discrimination, socio-economic upliftment, affirmative action, and examples of positive transformation in Dalit and tribal communities.	15
II	Women and Human Rights: Protective legislation including the Immoral Traffic (Prevention) Act, 1956; Maternity Benefit Act, 1961 (amended 2017); Dowry Prohibition Act, 1961; Equal Remuneration Act, 1976; Medical Termination of Pregnancy Act, 1971 (amended 2021); Commission of Sati (Prevention) Act, 1987. Status of women in Indian society and initiatives for empowerment — literacy, health, entrepreneurship, political participation, and safety.	15
III	Minorities and Human Rights: Constitutional rights and safeguards for religious and linguistic minorities—Articles 25–30, 331, 333, 336, and	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

	337; National Commission for Minorities Act, 1992; promotion of pluralism, national integration, and equitable development through inclusive public policy.	
IV	Implementation Challenges and Role of Civil Society: Barriers to access—poverty, legal illiteracy, and administrative apathy; importance of transparency, accountability, and citizen empowerment through Right to Information; contribution of civil society and organisations such as PUDR, PUCL, Vivekananda Kendra (Kanyakumari), Sewa International, Vanvasi Kalyan Ashram, and other grassroots initiatives in strengthening democratic values and social emancipation.	15
Total Contact Hours		60

Suggested Evaluation Methods

Internal Assessment: 30

End Term Examination: 70

➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Alam, Aftab (ed.) (1999). *Human Rights in India: Issues and Challenges*. New Delhi: Raj Publications.
2. Begum, S.M. (ed.) (2000). *Human Rights in India: Issues and Perspectives*. New Delhi: APH Publishing.
3. Centre for Development and Human Rights (2004). *The Right to Development — A Primer*. New Delhi: Sage Publications.
4. Dev, Arjun (1996). *Human Rights: A Source Book*. New Delhi: NCERT.
5. Dikshit, R.C. (1998). *Human Rights and the Law: Universal and Indian*. New Delhi: Deep and Deep.
6. Paul, R.C. (2000). *Situation of Human Rights in India*. New Delhi: Commonwealth Publishers.
7. Ray, Arun (2004). *National Human Rights Commissions in India: Formation, Functioning and Future Prospects*. New Delhi: Atlantic Publishers.
8. Malhotra, Rajiv (2011). *Breaking India: Western Interventions in Dravidian and Dalit Faultlines*. New Delhi: Amaryllyis.
9. Sharma, Arvind (ed.) (2011). *Hindus and Human Rights: A Handbook*. New Delhi: Oxford University Press.
10. Sabhlok, Sanjeev (2008). *Breaking Free of Nehru: Let's Unleash India*. New Delhi: Macmillan.
11. Kishwar, Madhu (2008). *Zealous Reformers, Deadly Laws: Battling for Women's Rights in India*. New Delhi: Sage Publications.
12. Jain, Meenakshi (2016). *Sati: Evangelicals, Baptist Missionaries, and the Changing Colonial Discourse*. New Delhi: Aryan Books International.
13. Dasgupta, Swapn (2019). *Awakening Bharat Mata: The Political Beliefs of the Indian Right*. Gurgaon: Penguin.
14. Akbar, M.J. (2011, reprint). *Riot After Riot*. New Delhi: Roli Books (Lotus Collection).
15. Ahmad, Tufail (2018). *Jinnah's Ghost: The Journey of Secularism in India*. Kindle Edition: Tughlaq Books.
16. Goel, S.L. (2010). *Secularism: India at Cross-Roads*. New Delhi: Deep & Deep Publications.
17. Rao, Ramesh (2010). *Secular "Scriptures": Modern Theological Discourses in India*. Bloomington: World Wisdom.
18. Ganguly, Anirban & Sinha, Shakti (2018). *Making of New India: Transformation Under Modi Government*. New Delhi: Wisdom Tree.
19. Vivekananda Kendra (Kanyakumari). *Annual Reports and Publications* (various years).



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A. Human Rights (Semester-4) – DEC-7

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	IV
Name of the Course	Protection and Enforcement of Human Rights
Course Code	M24-HRT-406
Course Type	DEC-7
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)
 After completing this course, the learner will be able to:

CLO 1: Understand key concepts of human rights, violations, and ethical obligations in law enforcement.

CLO 2: Analyse national mechanisms for human rights protection, including commissions and NGOs.

CLO 3: Examine regional mechanisms for protecting human rights in Europe, Latin America, and Africa.

CLO 4: Evaluate global human rights enforcement systems, including the UN and international treaties.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Conceptual Foundations: Human rights as legal ideals and instruments of justice; protection, promotion, and implementation; ethics in law enforcement; civilisational and cultural perspectives on rights and duties; societal responses to violations and crimes against humanity.	15
II	Protection of Human Rights at the National Level: Constitutional, legislative, executive, and judicial safeguards; role of National and State Human Rights Commissions and other statutory bodies; constructive engagement by civil society and voluntary organisations in nation-building and rights awareness.	15
III	Protection of Human Rights at the Regional Level: Human rights institutions and enforcement models in Europe, Latin America, and Africa; regional courts and commissions; comparative lessons for Indian and Asian contexts.	15
IV	Protection and Enforcement at the Global Level: Role of the United Nations and its organs — the UN Human Rights Council, High Commissioner, treaty bodies, and ILO; key conventions and monitoring	15


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

mechanisms; balancing state sovereignty with universal human dignity; India's constructive role in global human rights discourse.			
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ol style="list-style-type: none"> 1. Bloed, A. and others (1993). <i>Monitoring Human Rights in Europe</i>. Dordrecht: Martinus Nijhoff. 2. Buergethal, Thomas. "The Advisory Practice of the Inter-American Human Rights Court," <i>American Journal of International Law</i>, Vol. 75, No. 1. 3. "The Inter-American Court of Human Rights," <i>American Journal of International Law</i>, Vol. 76. 4. "The Domestic Status of the European Convention on Human Rights: A Second Look," <i>International Commission of Jurists</i>, Vol. 7, No. 1. 5. Davidson, Scot. "Remedies for Violations of the American Convention on Human Rights," <i>International and Comparative Law Quarterly</i>, Vol. 44, No. 2. 6. Dżemkzewski, A. "The Sui Generis Nature of the European Convention on Human Rights," <i>International and Comparative Law Quarterly</i>, Vol. 29, No. 1. 7. ILO. "Comparative Analysis of the International Covenants on Human Rights and International Labour Conventions and Recommendations," <i>Official Bulletin</i> (Geneva), Vol. 52, No. 2, 1969. 8. Bailey, Sydney D. (1994). <i>The UN Security Council and Human Rights</i>. St. Martin's Press, New York. 9. Bakken, T. "International Law and Human Rights for Defendants in Criminal Trials," <i>Indian Journal of International Law</i>, Vol. 25, 1985. 10. Carey, J. (1970). <i>U.N. Protection of Civil and Political Rights</i>. Syracuse University Press, Syracuse. 11. Cassese, A. (ed.) (1990). <i>Human Rights: Thirty Years after the Universal Declaration</i>. 12. Cassese, A. <i>Human Rights in a Changing World</i>. Temple University Press, Philadelphia. 13. Claude, R.P. and B.H. Weston (1989). <i>Human Rights in the World Community: Issues and Action</i>. University of Pennsylvania Press, Philadelphia. 14. Falk, Richard A. (1982). <i>Human Rights and State Sovereignty</i>. Holmes and Meier, New York. 15. Ferguson, C. Claude. "Global Human Rights: Challenges and Prospects," <i>Denver Journal of International Law and Policy</i>, Vol. 8, 1979. 16. Halcombe, Arthur N. (1948). <i>Human Rights in the Modern World</i>. University Press, New York. 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

M.A. Human Rights (Semester-4) – DEC-8

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	IV
Name of the Course	Science and Technology and Human Rights and Duties
Course Code	M24-HRT-407
Course Type	DEC-8
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)

After completing this course, the learner will be able to:

- CLO 1: Understand conceptual, legal, and ethical issues in science, technology, and human rights.
 CLO 2: Analyse the relationship between information technology, legal norms, and human rights protection.
 CLO 3: Examine science and technology's role in promoting food security, health, and related rights.
 CLO 4: Evaluate the right to development and access to technology as essential elements of human welfare.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks

Unit	Topics	Contact Hours
I	Conceptual, Legal, and Ethical Foundations: Science and technology as instruments of human welfare; debates on spiritual versus material progress; ethical and legal dimensions of innovation and research in Indian and global contexts.	15
II	Information Technology and Human Rights: Digital transformation and democratic empowerment, Right to Information Act, 2005; reasonable restrictions under Article 19; key legal frameworks including the IT Act, 2000; media regulations and digital ethics in the age of AI and communication technologies.	15
III	Right to Food and Health: Role of science and indigenous technologies in food security and public health; National Food Security Act, 2013; biotechnology and ethics; community health and Ayurveda; role of government, civil society, and industries in accessible and ethical health systems.	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

IV	Right to Development and Equitable Access: Development as a holistic goal encompassing material and spiritual upliftment; indivisibility of rights and duties; UN Declaration on the Right to Development, 1986; challenges of digital and technological divide; inclusive growth and self-reliance through technology.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. UN Centre for Human Rights (1996). <i>Advisory Services and Technological Cooperation in the Field of Human Rights</i>. World Campaign for Human Rights, Geneva. 2. UN Centre for Human Rights (1991). <i>Report of the International Consultation on AIDS and Human Rights, Geneva, 26–28 July 1989</i>. UN Publication Division, New York. 3. UN (1982). <i>Human Rights and Scientific and Technological Developments</i>. UN Department of Public Information, New York. 4. WHO (1996). <i>Health as a Bridge for Peace and Human Rights</i>. WHO, Geneva. 5. WHO (1975). <i>Protection of Human Rights in the Light of Scientific and Technological Progress in Biology and Medicine</i>. WHO, Albany. 6. Amarasekara, Kumar (1998). "Autonomy, Paternalism and Discrimination: The Darker Side of Euthanasia," in Antony Anghie and Garry Sturges (eds.), <i>Legal Visions of the 21st Century: Essays in Honour of Judge Christopher Weeramantry</i>. Kluwer, The Hague. 7. Bankowski, I. (ed.) (1993). <i>International Ethical Guidelines for Biomedical Research Involving Human Subjects</i>. WHO, Geneva. 8. Johnston, Ann and others (eds.) (1986). <i>New Technologies and Development</i>. UNESCO, Geneva. 9. Michael, James (1994). <i>Privacy and Human Rights: An International and Comparative Study with Special Reference to Documents in Information Technology</i>. UNESCO, Paris. 10. Mukherjee, Sipra G. (1985). "Promotion of Human Rights and Science Education," in K.P. Saksena (ed.), <i>The Teaching about Human Rights</i>. Huriter, New Delhi. 11. Nawaz, M.K. "Law, Human Rights and Computer," <i>Indian Journal of International Law</i>, Vol. 25, Nos. 3–4, July–Dec. 1985. 12. Satyamala, C. "Hazardous Contraceptives and the Right to Life," <i>Journal of the Indian Law Institute</i>, Vol. 40, 1998, pp. 174–199. 13. Sisskind, Charles (1973). <i>Understanding Technology</i>. Feffer and Simons, New York. 14. ZiMan, John and others (eds.) (1986). <i>The World of Science and the Rule of Law</i>. University Press, Oxford. 		


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

M.A. Human Rights (Semester-4) – DEC-8

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	IV
Name of the Course	Minorities and Human Rights and Duties
Course Code	M24-HRT-408
Course Type	DEC-8
Level of the course	500-599
Pre-requisite for the course (if any)	N A

Course Learning Outcomes (CLO)
 After completing this course, the learner will be able to:
 CLO 1: Understand the concept and role of minorities in human rights discourse.
 CLO 2: Analyse national mechanisms for minority protection in India.
 CLO 3: Examine international legal instruments safeguarding minority rights.
 CLO 4: Evaluate the constitutional framework, rights, duties, and political issues related to minorities in India.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hour
I	Conceptual Foundations: Minorities as socio-economic, religious, linguistic, and regional communities; Indic approach to community diversity and harmony; contribution of minorities to Indian civilisation and the development of human rights thought.	15
II	Mechanisms for Protection: Constitutional provisions and institutional safeguards; role of legislature, executive, and judiciary; National and State Minorities Commissions; constructive role of non-governmental and community-based organisations.	15
III	International Legal Instruments: UNESCO Constitution (1945); Universal Declaration of Human Rights (1948); Declaration on Race and Racial Prejudice (1978); Declaration on the Rights of Persons Belonging to National or Ethnic, Religious and Linguistic Minorities (1992); Vienna Declaration and Programme of Action (1993); Universal Declaration on Cultural Diversity (2001).	15
IV	Rights and Duties of Minorities Under the Indian Legal System: National Commission for Minorities Act (1992); minority rights and politics in	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

India; the nation-building project and minorities; Indian and Western concepts of secularism — comparative understanding, Role of minorities in India's democratic and developmental processes; Judicial pronouncements and evolving jurisprudence on minority rights.	
--	--

Total Contact Hours	60
----------------------------	----

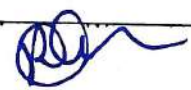
Suggested Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Malhotra, Rajiv (2011). *Being Different: An Indian Challenge to Western Universalism*. HarperCollins India.
2. Sen, Amartya (2005). *The Argumentative Indian: Writings on Indian History, Culture and Identity*. Allen Lane.
3. Balagangadhara, S.N. (2012). *Reconceptualizing India Studies*. Oxford University Press.
4. Sarna, Rajiv (2018). *Indian Pluralism: A Civilizational Legacy*. Rupa Publications.
5. Goel, Sita Ram (1998). *Secularism, Christianity and India*. Voice of India.
6. Vempati, Shashi Shekhar (2019). *Hindutva: Exploring the Idea of Hindu Nationalism*. Bloomsbury India.
7. Deepak, J. Sai (2021). *India That Is Bharat: Coloniality, Civilisation, Constitution*. Bloomsbury India.
8. Bajpai, Rochana (2011). *Debating Difference: Group Rights and Liberal Democracy in India*. Oxford University Press.
9. Kumar, Narender (2012). *Minority Rights in India: Constitutional Safeguards and Judicial Interpretation*. Allahabad Law Agency.
10. Malhotra, Rajiv & Neelakandan, Aravindan (2011). *Breaking India: Western Interventions in Dravidian and Dalit Faultlines*. Amaryllis.
11. Bhargava, Rajeev (ed.) (2016). *Secular States and Religious Diversity*. Routledge India. (Selected Indian chapters)
12. Chalam, K.S. (2011). *Pluralism and Equality: Values in Indian Society and Politics*. SAGE Publications.
13. Sen, Amartya (2006). *Identity and Violence: The Illusion of Destiny*. Penguin India.
14. Swamy, Subramanian (2016). *Rights of Minorities in the Indian Legal System*. Har-Anand Publications.
15. Madhav, Ram (2020). *Secularism: India at Crossroads*. Rupa Publications.
16. Jain, M.P. (2019). *Indian Constitutional Law* (8th ed.). LexisNexis. (Chapters on minority rights, National Commission for Minorities Act, secularism)
17. Madan, T.N. (1997). *Modern Myths, Locked Minds: Secularism and Fundamentalism in India*. Oxford University Press.
18. Radhakrishnan, S. (1949). *Religion, Science and Culture*. Orient Paperbacks.
19. Mitra, Subrata K. & Singh, V.B. (1999). *Democracy and Social Change in India: A Cross-Sectional Analysis of the National Electorate*. SAGE Publications.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A. Human Rights (Semester-4) – EEC*
***same for students opting Dissertation or Project work**

Session: 2025-26

Part A – Introduction

Name of Programme	M.A. Human Rights
Semester	IV
Name of the Course	Legal Aspects of Human Rights
Course Code	M24-HRT-409
Course Type	EEC
Level of the course	500-599
Pre-requisite for the course (if any)	N A
Course Learning Outcomes (CLO)	

After completing this course, the learner will be able to:


- CLO 1: Explain the history of human rights laws and key influences.
 CLO 2: Describe major human rights conventions and institutions.
 CLO 3: Analyse key Supreme Court cases on Article 21.
 CLO 4: Identify challenges in enforcing human rights today.

Credits	Theory	Tutorial	Total
		3	1
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Conceptual Foundations of Human Rights Law: Historical and philosophical origins; evolution of human rights discourse in Indian and global contexts; insights from Indian epics (Ramayana, Mahabharata and Dharam shastra); sovereignty and the state's role in rights enforcement.	15
II	International Human Rights Instruments and Bodies: Universal Declaration of Human Rights (1948); key UN conventions; International Criminal Court (ICC); interaction of international norms with domestic law; compliance issues and challenges to enforcement.	15
III	National Legal Frameworks for Human Rights Protection: Fundamental rights and directive principles; role of judiciary, legislature, and executive; key legal mechanisms—writs, PILs, commissions; selected landmark cases: Maneka Gandhi (1978) and Puttaswamy v. Union of India (2017).	15
IV	Emerging Legal Concerns and Trends: Contemporary legal challenges—climate justice, digital rights, gender and bioethics; balancing rights and development; legal literacy and rights-based governance; progressive	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Jurisprudence and expanding rights discourse in India.		Total Contact Hours		60
Suggested Evaluation Methods				
Internal Assessment: 30			End Term Examination: 70	
➤ Theory	30	➤ Theory:	70	
• Class Participation:	5	Written Examination		
• Seminar/presentation/assignment/quiz/class test etc.:	10			
• Mid-Term Exam:	15			

Part C Learning Resources

Recommended Books/e-resources/LMS:

1. Ranjan, Ravi. (2024). *Ancient Indian Political Thought*. Academic Publications.
2. Pandey, J.N. (2022). *Constitutional Law of India*. Central Law Agency.
3. Baxi, Upendra. (2002). *The Future of Human Rights*. Oxford University Press.
4. Basu, Durga Das. (2019). *Human Rights in Constitutional Law*. LexisNexis.
5. Haas, M. (2014). *International human rights: A comprehensive introduction (2nd ed.)*. Routledge.
6. Ishay, M. (2004). *The history of human rights: From ancient times to the globalization era*. University of California Press.
7. Prasad, R. U. S. (2022). *The origins of human rights: Ancient Indian and Greco-Roman perspectives*. Routledge India.
8. Brown, G. (Ed.). (2016). *The Universal Declaration of Human Rights in the 21st century: A living document in a changing world*. Open Book Publishers.
9. Schabas, W. A. (2016). *The International Criminal Court: A commentary on the Rome Statute (2nd ed.)*. Oxford University Press.
10. Ray, A. (2003). *National Human Rights Commission of India: Formation, functioning and future prospects (Vol. 1)*. Atlantic Publishers & Distributors.
11. Das, J. K. (2022). *Human rights law and practice (2nd ed.)*. PHI Learning.
12. Malik, S., & Malik, S. (2019). *Supreme Court on human rights and civil rights and political, social, individual and economic rights (Vols. 1-2)*. Eastern Book Company.
13. *Handbook of human rights and criminal justice in India: The system and procedure (2nd ed.)*. (2007). Oxford University Press.
14. Susi, M. (Ed.). (2019). *Human rights, digital society and the law: A research companion*. Routledge.
15. Ashford, C., & Maine, A. (Eds.). (2024). *Gender, sexuality and law: A textbook*. Edward Elgar Publishing.


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Scheme of Semester-4 when a student opts for Dissertation Work or Project Work

**M.A. Human Rights (Semester-4)
Dissertation or Project work**

Session: 2025-26	
Part A – Introduction	
Name of Programme	M.A. Human Rights
Semester	IV
Name of the Course	Dissertation/Project work
Course Code	M24-HRT-410
Course Type	Dissertation / Project work
Level of the course	500-599
Pre-requisite for the course (if any)	N A

CC-11	M24-HRT-401	Human Rights: Ambedkar's perspective
DEC-6	M24-HRT-403	Disadvantaged groups and Human Rights
	M24-HRT-404	Working class and Human Rights
EEC	M24-HRT-409	Legal Aspects of Human Rights

#Detailed syllabus of above three papers is mentioned in respective sections.


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

DISSERTATION

(Note: If A Candidate Is Offered Dissertation Course, Then He/ She Will also Study CC-11, Dec-4 & EEC From Above Courses of Semester4)

4	Dissertation/ Project Work	M24- HRT- 410	Dissertation/ Project Work	D	12	26	0	0	0	-	0	300	300	-
---	----------------------------------	---------------------	----------------------------------	---	----	----	---	---	---	---	---	-----	-----	---

Course Learning Outcomes (CLO)

Students will be able to

CLO 1: Formulate a focused research question and design a robust, methodologically sound investigation to address it.

CLO 2: Employ appropriate experimental, analytical, or related techniques to collect, analyze, and interpret the data effectively.

CLO 3: Critically evaluate research findings in light of existing theories, and communicate results clearly through well-structured scientific writing and presentations.

CLO 4: Exhibit independence, time management, and scientific integrity throughout the research process, while responding thoughtfully to feedback and defending.

Description

I Each student is required to undertake a research project in a relevant area of Defence & Strategic Studies. The outcome of this research will be compiled into a dissertation and submitted for evaluation at the end of the semester. Students will also present their dissertation before an external examiner. Both internal and external assessments of the project and training will be conducted as per the prescribed evaluation criteria.

Assessment Structure

Internal Assessment:

- Submission of Dissertation.
- One Mid-Semester Progress Report and/or Presentation

External Assessment:

- Final Project Report (Dissertation)
- Viva-Voice Presentation before an External Examiner



Chairperson

Deptt. of Political Science

K.U. Kurukshetra-136119

KURUKSHETRA UNIVERSITY KURUKSHETRA

(Established by the State Legislature Act XII of 1956)
(*A** Grade. NAAC Accredited)

Syllabus of Undergraduate program in the subject **Defence Studies** (Vth & VIth Semester under NEP2020 with effect from the academic session 2025-26) as per NEP 2020 with Multiple Entry-Exit, Internships and Choice based Credit System- Learning Outcomes Based Curriculum Framework - (CBCS-LOCF).

Under Graduate Programme (Defence Studies) Syllabus, Semester-V

CC- 5/MCC-9			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	V		
Name of the Course	National Security of India		
Course Code	B23-DS-501		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-5/MCC-9		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the historical evolution of national security and related concerns of India. 2. Comprehend about the India's external and internal security challenges. 3. Understand the army and air force security doctrine of India. 4. Have an in-depth knowledge about Indian naval and nuclear doctrine. 5.*Conduct experiments and tests related with Defence Studies. 		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3 per week	1 per week/per group	4 per week
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours (Theory) + 3 Hours (Practical)		



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119


Part-B Contents of the Course

Instructions for Paper Setters: Note: The Question paper will consist of **Nine** questions out of which the candidate would be required to attempt **Five** questions. The **First** question will be **compulsory** and will have **5 short answer questions** uniformly spread over entire syllabus. The remaining **Eight** questions will be set taking **Two** questions from each unit. Each question will carry **10 marks**. The candidate would require to attempt **One** question from each unit in addition to compulsory question.

Unit	Topics	Contact Hours
I	Evolution of National Security Concept in India in 20 th Century and beyond. Indian National Power and National Interests.	12
II	India's Security Challenges/Threats – Threat of Two Front War, Nuclear War. Internal Security Challenges – Terrorism, Militancy, Insurgency, Separatism, Fundamentalism, illegal migration.	12
III	India's Security Doctrines – Indian Army and Cold Start Doctrine (CSD) and Land Warfare Doctrine (LWD). The Indian Air Force (IAF) and New Air Doctrine.	12
IV	Indian Navy and Indian Maritime Policy and Doctrine. India's Nuclear Policy and Doctrine.	12
V*	Practicum- Military use of Electro-magnetic Spectrum, Press Clipping, Tour 1) Meaning, Concept and Usage of Electro-magnetic Spectrum in the field of Military. 2) Electronic Warfare and Applications of Electronic System in the Military Activities. 3) Meaning, Concept and Usage of C5I2SR. 4) Press Clipping on Major Defence Developments. 5) Tour (optional)	30

Suggested Evaluation Methods

Internal Assessment:	End Term Examination
<p>➤ Theory (20 Marks) Class Participation: 05 Marks Seminar/Presentation/Assignment/Quiz/Class Test etc.: 05 Marks Mid Term Exam: 10 Marks</p> <p>➤ Practicum (10 Marks) Class Participation: Nil Seminar/Demonstration/Viva Voice/Lab Records etc.: 10 Marks Mid Term Exam: Nil</p>	<p>50 Marks</p> <p>20 Marks</p>



 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part-C Learning Resources

Recommended Books:

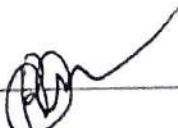
- ARTRAC (1999) Indian Army, National Security: Fundamentals, Doctrines and Concepts, Shimla H.C. ARTRAC, 1999.
- Bajpai, Kanti P. & Harsh V Pant (2013) India's National Security: A Reader, Oxford; 1st edition.
- Chadha, Vivek (2019): Land Warfare in the Indian Context: Time for a Transformative Shift? Journal of Defence Studies, Vol. 13, No. 3, July-September 2019, pp. 71-85.
- Gupta, Arvind (2018) How India manages its National Security, Penguin Random House India Pvt Limited.
- Kasturi, Bhashyam (2008) Force Structuring and Doctrines of the IAF, Air Power Journal Vol. 3 No. 2 Summer 2008 (April-June), Centre for Air Power Studies, New Delhi.
- Katoch, P.C. (2018) Indian Army Land Warfare Doctrine 2018, SP's Land Forces Magazine Issue 6 - 2018, SP Guide Publications Pvt Ltd New Delhi.
- Khurana, Gurpreet S (2016) Indian Navy updates Indian Maritime Doctrine 2009, National Maritime Foundation (NMF), New Delhi.
- Kumar, Ashok (2021) Challenges to Internal Security of India, McGraw Hill; 4th edition.
- Pant, Harsh V. (2015) Handbook of Indian Defence Policy: Themes, Structures and Doctrines, Routledge (Routledge India Handbooks).
- R., Suresh(ed.) (2020) India's National Security: A Maritime Perspective, Vij Books India Pvt Limited.
- Sen, Gautam (ed.) (2007) Conceptualizing Security for India in the 21st Century, Atlantic Publishers & Dist.
- Sharma, Kunal (2025) Reimagining India's Blue Water Navy: Toward a Comprehensive Maritime Doctrine for the Indian Ocean, The Diplomat.
- Snow, Donald M. (2003) National Security for the new era: Globalization and Geopolitics, Pearson; 1st edition.
- Vaishnav, Milan (2024) Institutional Roots of India's Security Policy, Oxford University Press.

* Applicable for courses having practical component.


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Under Graduate Programme (Defence Studies) Syllabus, Semester-V

MCC-10			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	V		
Name of the Course	India's Maritime Security		
Course Code	B23-DFS-502		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC / VAC)	MCC-10		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand completely about maritime security of India. 2. Develop capability to understand about Indian maritime strength and policies. 3. Analytical thinking about Indian maritime threat perceptions. 4. Understand the regional and global power dynamics in Indian ocean.		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks: 100	Time: 3 Hours		
Internal Assessment Marks:30			
End Term Exam Marks: 70			
Part-B Contents of the Course			
<p>Instructions for Paper Setters: The question paper will consist of NINE questions out of which the candidate will be required to attempt FIVE questions. The first question will be compulsory and will have 7 short answer questions uniformly spread over entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. Each question will carry 14 marks. The candidate would be required to attempt ONE question from each unit in addition to compulsory question.</p>			



 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Unit	Topics	Contact Hours
I	Maritime Security in India: Maritime boundary, Maritime zones, Maritime routes & Island territories, Role and Function of Indian Navy and Indian Coast Guards	12
II	India's Maritime Capability: Naval Strength, Maritime Security Policy of India	12
III	Maritime Threats Perceptions: Types of Threats, Maritime Threats to India	12
IV	Regional and Global Powers in Indian Ocean: China, USA	12
	Tutorial	12
Suggested Evaluation Methods		
Internal Assessment: 30 Marks		End Term Examination
Class Participation 05		70 Marks
Seminar/Presentation/Assignment/Quiz/Class Test etc. 10		
Mid Term Exam: 15		

Part-C Learning Resources
<p>Recommended Books:</p> <ul style="list-style-type: none"> • Anand, R.P. (1978) Sea Law Conference-Caracas and beyond, Radiant Publishers. • Bhasin, V.K. (1981) Super power rivalry in the Indian Ocean. S Chand. • Bowman, Larry W. and Ian Clark (1981) The Indian Ocean in Global Politics, Boulder, Colo Westview Press. • Brown, Dieter (1983) The Indian Ocean: Region of Conflict or Zone of peace. • Burrell and Cottrill (1972) Military, political and economic importance of the Indian Ocean. • Chaudhary, Rahul Roy (2000) India's Maritime Security, Knowledge World. • Chaudary, Rahul Roy (1999) Sea Power and Indian Security, Brassey's (UK) Ltd. • Dass, S.T. (1987) National Security in Perspective: Delhi, Gian Publishers. • Dowdy, W.L. and R.B. Trood (1986) The Indian Ocean: Perspective on Strategic Areas. • Iyer, Nandhini (1985) India and the Indian Ocean, South Asia Books. • Kohli, S.N. (1978) Sea Power in the Indian Ocean. Ritana Books. • Misra, R.N. (1986) Indian Ocean, and India's Security: Delhi, Mittal Publications. • Namboodri, P.K.S., J.P. Anand & Sreedhar (1982) Intervention in the Indian Ocean, ABC Publishing House. • Nayar, V.K. (1992) Threats from Within: New Delhi, Lancer Publications.

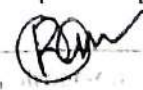

 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

- Pannikar, K.M. (1945) India and the Indian Ocean, George Allen and Unwin, London.
- Singh, Bhupinder (1983) Indian Ocean and Regional Security, B.C. Publishers.
- Singh, K.R. (1974) Politics of the Indian Ocean, Thomson Press (India), Publication Division.
- Sridharan, K. (1965) A Maritime History of India, Publications Division, Ministry of Information and Broadcasting.
- Toussaint, A. (1966) History of Indian Ocean, Routledge & Kegan Paul PLC.


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-146 19


Under Graduate Programme (Defence Studies) Syllabus, Semester-V

DSE-2			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	V		
Name of the Course	Indian Strategic Thought		
Course Code	B23-DFS-503		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/ AEC/ VAC)	DSE-2		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the concept of strategic thought of ancient India from Ramayana and Mahabharata. 2. Develop capability to understand about Kautliya's philosophy of war. 3. Analytical thinking and thoughts of Gandhi and Nehru. 4. Understand about the K Subrahmanyam thought and current debates on Indian strategic thought 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks:100	Time: 3 Hours		
Internal Assessment Marks:30			
End Term Exam Marks: 70			
Part-B Contents of the Course			
<p>Instructions for Paper Setters: The question paper will consist of NINE questions out of which the candidate will be required to attempt FIVE questions. The first question will be compulsory and will have 7 short answer questions uniformly spread over entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. Each question will carry 14 marks. The candidate would be required to attempt ONE question from each unit in addition to compulsory question.</p>			


 Co-ordinator
 Deptt. of Defence Studies
 K.M. Kulkarni

Unit	Topics	Contact Hours
I	Introduction: Concept of strategic thought in ancient India, Strategic thought of Ramayan and Mahabharat.	12
II	Kautilya's Arthasastra philosophy on war, peace, fort, espionage, diplomacy	12
III	Thoughts of Mahatma Gandhi - Concept of Non - Violence, Techniques of conflict resolution and peace. Jawahar Lal Nehru approach of Peace and National Strategy.	12
IV	K. Subrahmanyam and Indian Strategic Thought. Indian Strategic thought in nuclear age. Debates on Indian strategic thought.	12
	Tutorial	12
Suggested Evaluation Methods		
Internal Assessment: 30 Marks		End Term Examination
Class Participation 05 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		70 Marks

Part-C Learning Resources
<p>Recommended Books:</p> <ul style="list-style-type: none"> • Adhikari, S. (2016) Military Thinking of Ancient India, Pentagon Press. • Bakshi, G.D. (2024) Indian Strategic Culture: The Mahabharata and the Kautilyan Ways of War, Garuda Prakashan Pvt. Ltd. • Chowdhry, Sanjeev. Komal Chaudhary and Vinayak Sharma (2024) India's Strategic Thought and Multi-Domain Warfare Perspectives, Pentagon Press. • Das, S.T. (1970) An Introduction to the Art of War, Sagar Publications. • Date, Govind Tryambak (2020) The Art of War In Ancient India, Life Span Publishers & Distributors. • Mohanty, Munmun and N.M. Khandelwal (2024) Management Practices and Thoughts in Ancient India, Himalaya Publishing House. • Sastri, R.S. (1929) Kautilya's Arthasastra (English Translation) • Srinivasan, R. (2024) Indian Strategic Thought, Highly Publishing LLP. • Tanham, George K. (1992) Indian Strategic Thought: An Interpretive Essay, Paperback, Rand Corp.


 Chairperson
 Deptt. of Political Science
 K.U. Kurva, Dist. 136119


Under Graduate Programme (Defence Studies) Syllabus, Semester-V

DSE-2			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	V		
Name of the Course	Western Strategic Thought		
Course Code	B23-DFS-504		
Course Type (CC MCC MDC CCM DSEC VOC DSE PC AEC VAC)	DSE-2		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand about the French revolution and Napoleon warfare. 2. Develop analytical thinking about the ideas of Machiavelli and Jomini thought on war. 3. Understand the theories of Clausewitz and revolutionary warfare thinkers. 4. Understand the theories of German and French school of strategic thought. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks:100	Time: 3 Hours		
Internal Assessment Marks:30			
End Term Exam Marks: 70			
Part-B Contents of the Course			
<p>Instructions for Paper Setters: The question paper will consist of NINE questions out of which the candidate will be required to attempt FIVE questions. The first question will be compulsory and will have 7 short answer questions uniformly spread over entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. Each question will carry 14 marks. The candidate would be required to attempt ONE question from each unit in addition to compulsory question.</p>			

Dep. of Defence Studies
K.U. Kurukshetra-136119


Unit	Topics	Contact Hours
I	French Revolution Causes and Influence Napoleonic Warfare Principles and reforms	12
II	Machiavelli and The Art of War Jomini thought on War	12
III	Clausewitz On War Karl Marx, Fredrich Engles and Lenin views and ideas on Revolutionary Warfare	12
IV	Moltke and Schlieffen- The Prussian/German school of strategic thought. Ferdinand Foch: The French school of strategic thought.	12
Tutorial		12
Suggested Evaluation Methods		
Internal Assessment: 30 Marks		End Term Examination
Class Participation 05 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		70 Marks

Part-C Learning Resources
<p>Recommended Books:</p> <ul style="list-style-type: none"> • Beaufre, A. (1966). Deterrence and strategy. New York: FA Praeger. • Earle, E. M., Craig, G. A., (1941). Makers of modern strategy: military thought from Machiavelli to Hitler. Princeton University Press. • Fuller, J.F.C. (1962). The Conduct of War: 1789-1961. Eyre & Spottiswoode. • Fuller, J.F.C. (1998). Armament And History: The Influence of Armament on History from The Dawn of Classical Warfare to The End of The Second World War. Hachette Books. • Fuller, J.F.C. (1993) The Second World War, 1939-45: A Strategical and Tactical History. Hachette Books. • McCuen, J. J. (1966). The Art of Counter-Revolutionary War: A Psycho-Politic-Military Strategy of Counter-insurgency. Stackpole books. • Paret, P., Craig, G. A., & Gilbert, F. (Eds.). (1986). Makers of modern strategy from Machiavelli to the Nuclear Age. Princeton University Press. • Reid, B. H., & Reid, R. H. (1987). JFC Fuller: Military Thinker (p. 115). London: Macmillan. • Ropp, T. (2000). War in the modern world. JHU Press. • Sheppard, E.W. (1952). The Study of Military History. Gale & Polden.


 C. Person
 Dept. of Political Science
 Kurukshetra-136119

Under Graduate Programme (Defence Studies) Syllabus, Semester-V

DSE-3			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	V		
Name of the Course	Human Rights & Humanitarian Laws		
Course Code	B23-DFS-505		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	DSE-3		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand about Human rights and its main contributors. 2. Role of United Nations in protecting Human Rights and UDHR. 3. Human Rights in Indian tradition and Constitutional & Legal framework in India. 4. Learn importance of human rights to individuals and their privileges. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks:100	Time: 3 Hours		
Internal Assessment Marks:30			
End Term Exam Marks: 70			
Part-B Contents of the Course			
<p>Instructions for Paper Setters: The question paper will consist of NINE questions out of which the candidate will be required to attempt FIVE questions. The first question will be compulsory and will have 7 short answer questions uniformly spread over entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. Each question will carry 14 marks. The candidate would be required to attempt ONE question from each unit in addition to compulsory question.</p>			


 Dept. of Public Science
 K.U. Kurukshetra-136119

Unit	Topics	Contact Hours
I	Human Right: a. Meaning, Nature and Development. b. Three Generation Rights. c. Contributions: Hobbes, Locke, Rousseau and Rawls.	12
II	United Nations & Human Rights: Universal Declaration of Human Rights (UDHR).	12
III	Indian Perspective (Basics) a. Human Rights in Indian tradition- Civil, Political, Economic, Cultural Rights & Women's Rights. b. Constitutional & Legal framework in India- Human Rights Commission & Special Commission for weaker section.	12
IV	Issues and Challenges (in brief) a. Human Rights and challenges - Ethnic conflict, social & political violence, global terrorism, environmental sources. b. Rights of Refugees. c. Internally Displaced people.	12
	Tutorial	12
Suggested Evaluation Methods		
Internal Assessment: 30 Marks		End Term Examination
Class Participation 05 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		70 Marks

Part-C Learning Resources


Recommended Books:

- Bajwa, G.S., (1995) Human Rights in India: Implementations and Violations, Sterling, New Delhi.
- Deshta, S., Deshta, K., (2003) Fundamental Human Rights, Deep & Deep, New Delhi.
- Donnelly, Jack., (1985) The Concept of Human Rights, St. Martin's Press, New York.
- Gibson, John, S., (1996) Dictionary of International Human Rights Law, Scarecrow Press, Lanham, MD.
- Mehta, P.L., Verma, N., (1999) Human Rights Under the Indian Constitution, Deep & Deep, New Delhi.
- Sehgal, B.P.S., (2004) Human Rights in India: Problems and Prospects, Deep & Deep, New Delhi.

Coordinator
Dept. of Political Science
K.U. Kurukshetra-136009

Under Graduate Programme (Defence Studies) Syllabus, Semester-V

DSE-3			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	V		
Name of the Course	Conflict Resolution in Peace Building		
Course Code	B23-DFS-506		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	DSE-3		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand about the conceptual aspects of conflict and peace. 2. Develop analytical thinking about nature of conflict from Inter – state and Intra – state context. 3. Critically analyse the pacific and coercive methods for conflict resolution. 4. Acquire knowledge about peace building and conflict resolution measures. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks:100 Internal Assessment Marks:30 End Term Exam Marks: 70	Time: 3 Hours		
Part-B Contents of the Course			
<p>Instructions for Paper Setters: The question paper will consist of NINE questions out of which the candidate will be required to attempt FIVE questions. The first question will be compulsory and will have 7 short answer questions uniformly spread over entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. Each question will carry 14 marks. The candidate would be required to attempt ONE question from each unit in addition to compulsory question.</p>			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Unit	Topics	Contact Hours
I	Conceptual Aspects of Conflict and Peace Conflict Resolution and Peace Building: Concept, Nature and Significance	12
II	Nature of Conflict: Inter – state and Intra – state.	12
III	Methods for conflict resolution: Pacific Methods and Coercive Methods.	12
IV	Peace Building and Conflict Resolution Measures Local, Regional and International perspective. Conflict Resolution and Peace Building. Role of IGOs, NGOs and Role of UN.	12
	Tutorial	12
Suggested Evaluation Methods		
Internal Assessment: 30 Marks		End Term Examination
Class Participation 05 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		70 Marks

Part-C Learning Resources	
Recommended Books:	
<ul style="list-style-type: none"> • Barash, David, P. (2014) Approaches to Peace: A Reader in Peace Studies, Oxford University Press, London. • Bercovitch, Jacob and Richard Dean Wells Jackson (2009) Conflict Resolution in the Twenty-first Century: Principles, Methods, and Approaches, University of Michigan. • Garnett Johan, (1970) Theories of Peace and Security, Palgrave Macmillan, London. • Galtung, Johan, (1996) Peace by Peaceful Means: Peace and Conflict, Development and Civilization, Sage Publications, London. • Galtung, Johan, (1984), The Struggle for Peace, Navajivan Publishing House, New Delhi. • Hauss, Charles (2019) From Conflict Resolution to Peacebuilding, Bloomsbury Publishing PLC. Richmond, Oliver P. and Gëzim Visoka (2022) The Palgrave Encyclopedia of Peace and Conflict Studies, Springer Nature. • Savitri, Kaldoor (2014) Conflict Resolution and Peace Building, Aakar Books. 	



Chairperson
Dept. of Political Science
K.U. Kurukshetra-136119


Under Graduate Programme (Defence Studies) Syllabus, Semester-VI

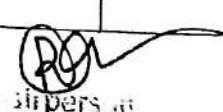
CC- 6/MCC-11			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	VI		
Name of the Course	International Relations		
Course Code	B23-DS-601		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-6/MCC-11		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the basic concepts and theories of international relations. 2. Develop a critical thinking about power systems and structure in international relations. 3. Comprehend a deep understanding about diplomacy and foreign policy in international relations. 4. Comprehend and analyse about UN, NATO and SCO as international organisation. 		
	5.*Conduct experiments and tests related with Defence Studies.		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3 per week	1 per week/per group	4 per week
	Time: 3 Hours (Theory) + 3 Hours (Practical)		
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70			
Part-B Contents of the Course			
<p>Instructions for Paper Setters: Note: The Question paper will consist of Nine questions out of which the candidate would be required to attempt Five questions. The First question will be compulsory and will have 5 short answer questions uniformly spread over entire syllabus. The remaining Eight questions will be set taking Two questions from each unit. Each question will carry 10 marks. The candidate would be required to attempt One question from each unit in addition to compulsory question.</p>			



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Unit	Topics	Contact Hours
I	Introduction-Definition, Meaning, history and Scope of International Relations a) State, Nation, Nation-state, Concepts and Features. b) National Power – Components of National Power – its scope. c) Approaches to international relations- Mainstream Theories-Idealist and realist.	12
II	Power Systems in International Relations a) International Power Structure – Definition, Meaning, and Scope- Uni polar, Bi Polar and Multi Polar. b) Balance of Power – Meaning and Definition – Characteristics of Balance of Power; techniques of Balance of Power. c) Collective Security.	12
III	Diplomacy and Foreign Policy in International Relations a) Diplomacy- Meaning, Definition, Objectives and Scope and Types of Diplomacy. b) Foreign Policy- Meaning, Definition, Determinants of Foreign Policy. c) National Interest- Meaning and Definitions.	12
IV	The United Nations: Structure, Functions, Role and its current relevance. NATO and SCO: Structure, Functions, Role and its current relevance.	12
V*	Practicum- Spotting Strategic Locations, Military Models, Presentations 1) On the outline Map of India, locating/spotting strategic locations of India like Siachen Glacier, Siliguri Corridor, Nathu La Pass, Pokhran etc. 2) Meaning, Concept and Relevance of Sand Models. 3) Presentation on current topics of Defence Studies.	30
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory (20 Marks) Class Participation: 05 Marks Seminar/Presentation/Assignment/Quiz/Class Test etc.: 05 Marks Mid Term Exam: 10 Marks ➤ Practicum (10 Marks) Class Participation: Nil Seminar/Demonstration/Viva Voice/Lab Records etc.: 10 Marks Mid Term Exam: Nil		End Term Examination 50 Marks 20 Marks


 Chairperson
 Dept. of Political Science
 K.U. Kurukshetra-136119



 Chairperson
 Dept. of Political Science
 K.U. Kurukshetra-136119

Part-C Learning Resources

Recommended Books:

- Basu, R. (2024) International Politics: Concepts, Theories and Issues, Atlantic Publishers and Distributors.
- Baylis, J. (2020). The globalization of world politics: An introduction to international relations. Oxford university press, USA.
- Chatterjee, Aneek, (2010) International Relations Today: Concept and Applications, Pearson.
- Frankel, J. (1977) International Relations in a Changing World, London: Oxford University Press.
- Ghai, U.R. and M. Arora (2024) International Politics (A study of international Relation) Theory & Practice, New academic publication.
- Heywood, A. (2011) Global Politics, Palgrave Macmillan.
- Johari, J.C., (1985) International Relations and Politics, Sterling Publishers.
- Kumar, Mahendra and Nand Laal (2021) Antarrashtriya Rajniti Ke Saiddhantik Paksh (Theoretical Aspects of International Politics), Shiva Lal Agarwala & Company; First Edition.
- Morgenthau, H.J. (1985) Politics among Nations: the struggle for power and peace, Random House.
- Nicholson, M., (2002) International Relations: A Concise Introduction, New York: Palgrave.
- Palmer, N.D. and H.C. Perkins (1953) International Relations, Boston: Houghton Mifflin.
- Paranjape, Shrikant (2024) International Relations and Strategic Studies, Diamond Publications.

* Applicable for courses having practical component.


Chairperson
Deptt. of Political Science
K.U. Kurukshetra 136119


Under Graduate Programme (Defence Studies) Syllabus, Semester-VI

MCC-12			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	VI		
Name of the Course	Aviation Security Management		
Course Code	B23-DFS-602		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	MCC-12		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Develop a better understanding about aviation industry and its key players and bodies. 2. Understand the airline and airport operation, scheduling and management. 3. Acquire the general aviation management training and practices. 4. Grasp the broad disciplines of aviation law, safety and security management at different levels of aviation industry. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks: 100 Internal Assessment Marks:30 End Term Exam Marks: 70	Time: 3 Hours		
Part-B Contents of the Course			
<p>Instructions for Paper Setters: The question paper will consist of NINE questions out of which the candidate will be required to attempt FIVE questions. The first question will be compulsory and will have 7 short answer questions uniformly spread over entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. Each question will carry 14 marks. The candidate would be required to attempt ONE question from each unit in addition to compulsory question.</p>			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119


Unit	Topics	Contact Hours
I	Introduction To Aviation Industry Overview of the aviation industry and its evolution Introduction to key players and regulatory bodies	12
II	Principles of Airline and Airport Management Fundamentals of airline and airport operations Airport planning, management, and airline operations	12
III	Aviation Training on Security and Ground Operations Practical training in aviation security protocols Ground operations management and safety procedures	12
IV	Aviation Law, Transport Safety and Security Safety management systems in aviation Security measures and regulations in air transport	12
	Tutorial	12
Suggested Evaluation Methods		
Internal Assessment: 30 Marks Class Participation 05 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		End Term Examination 70 Marks

Part-C Learning Resources
<p>Recommended Books:</p> <ul style="list-style-type: none"> • Civil Aviation Statistics - Handbooks, Directorate General of Civil Aviation, Ministry of Civil Aviation, India. • Das, Arjit (2021) Aviation Management (Ground Service & In-flight Service) Iterative International Publishers. • India - eCTB on Aviation's Security Culture observance in India, Bureau of Civil Aviation Security. • Lawrence, Don (2017) Aviation and Airport Security: Management, Improvement Strategies and Future Challenges, Nova Science Publishers. • Price, Jeffrey and Jeffrey Forrest (2009) Practical Aviation Security: Predicting and Preventing Future Threats, Butterworth-Heinemann. • Saravanan, R. and R. Karuppasamy (2015) A Practical Approach to Airport Management, Himalaya Publishing House. • Sweet, Kathleen (2009) Aviation and Airport Security, Taylor & Francis Inc. • Singh, Ratandeep (2009) Aviation Management: Global and National Perspectives, Kanishka Publishing House. • Thomas, Andrew R. (2009) Aviation Security Management: Praeger Security International [3 volumes], Bloomsbury Publishing USA.


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Under Graduate Programme (Defence Studies) Syllabus, Semester-VI

DSE-4			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	VI		
Name of the Course	Contemporary Strategic Environment in India		
Course Code	B23-DFS-603		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	DSE-4		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Learn contemporary challenges to peace and stability in the world with reference of Korean peninsula and Israel-Palestine conflict. 2. Acquire better understanding about Afghanistan in Post Taliban Period and other contemporary trends. 3. Understand about ISIS and conflict in Iraq, Syria and in South China Sea. 4. Identify the problem of Jammu & Kashmir and Uyghur crisis in China. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks:100 Internal Assessment Marks:30 End Term Exam Marks: 70	Time: 3 Hours		
Part-B Contents of the Course			
<p>Instructions for Paper Setters: The question paper will consist of NINE questions out of which the candidate will be required to attempt FIVE questions. The first question will be compulsory and will have 7 short answer questions uniformly spread over entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units.</p>			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119


Each question will carry 14 marks. The candidate would be required to attempt ONE question from each unit in addition to compulsory question

Unit	Topics	Contact Hours
I	Conflict in Korean Peninsula: Genesis and Contemporary Trends Israel - Palestine Conflict: Genesis and Contemporary Trends.	12
II	Afghanistan in Post Taliban Period and Contemporary Trends. Islamic Fundamentalism in Af-Pak region: Challenges and Responses	12
III	ISIS and Conflict in Iraq and Syria: Challenges and Responses. Conflict in South China Sea: Contemporary Trends.	12
IV	Problem of Jammu & Kashmir: Genesis and Contemporary Trends. Uyghur Crisis in China: Genesis and Contemporary Trends.	12
Tutorial		12
Suggested Evaluation Methods		
Internal Assessment: 30 Marks		End Term Examination
Class Participation 05 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		70 Marks

Part-C Learning Resources

Recommended Books:

- Buzan, Barry and Ole Waever (Eds) (2003) Regions and Powers, Cambridge University Press.
- Chauhan, Sharad S., (2003) War on Iraq, APH Publishers, New Delhi.
- Cooley, John K., (2000) Unholy Wars, Penguin Books, New Delhi.
- Gilbert, Adrian, (2000) The Encyclopedia of Warfare, Grange Books, Kent.
- Goldstein, Joshua S, (1994) International Relations, Harper-Collins New York.
- Hiro, Dilip, (2002) War without End, Routledge, London.
- Laqueur, Walter, (2003) No End to War, Continuum, New York.
- Midlarsky, Manus I. (ed.) (1989) Handbook of War Studies, Unwin Hyman, London.
- Moore, John Norton (ed) (1977) The Arab-Israeli Conflict, Princeton University Press.


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

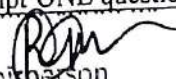
- Nye, Joseph S. (2008) *Understanding International Conflicts: An Introduction to Theory and History* (7th Edition), Longman.
- Noah Coburn, (2016). *Losing Afghanistan*, Stanford University Press, Stanford, California.
- Tomsen Peter, (2011) *The Wars of Afghanistan: Messianic Terrorism, Tribal Conflicts, and the Failures of Great Powers*, Public Affairs, New York.
- Tucker, Spencer C. (2001) *Who's Who in Twentieth-Century Warfare*, Routledge, London.



Chairperson
Dept. of Political Science
K.U. Naraina, New Delhi 110019

Under Graduate Programme (Defence Studies) Syllabus, Semester-VI

DSE-4			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	VI		
Name of the Course	Remote Sensing & National Security		
Course Code	B23-DFS-604		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	DSE-4		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand about the significance of remote sensing for national defence and security. 2. Build capacity on the technical arena of remote sensing application. 3. Acquire better knowledge of the key concepts of remote sensing. 4. Develop a better understanding about the Photogrammetry and its significance in remote sensing. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks:100 Internal Assessment Marks:30 End Term Exam Marks: 70	Time: 3 Hours		
Part-B Contents of the Course			
Instructions for Paper Setters: The question paper will consist of NINE questions out of which the candidate will be required to attempt FIVE questions. The first question will be compulsory and will have 7 short answer questions uniformly spread over entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. Each question will carry 14 marks. The candidate would be required to attempt ONE question			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra 136119

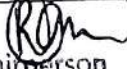
from each unit in addition to compulsory question.		
Unit	Topics	Contact Hours
I	Introduction: Significance of remote sensing for National Defence and Security.	12
II	Remote Sensing: basic principles of Remote sensing. Aerial photography definition, scope, application and types.	12
III	Concept of remote sensing; generation of electromagnetic radiation; imaging system; interaction with atmospheres and Earth surface; sensing platform sensor system.	12
IV	Photogrammetry and its significance in remote sensing: Steps of image interpretations; image displacement, orientation and rectification.	12
	Tutorial	12
Suggested Evaluation Methods		
Internal Assessment: 30 Marks		End Term Examination
Class Participation 05 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		70 Marks

Part-C Learning Resources	
Recommended Books:	
<ul style="list-style-type: none"> • Agarwal, C.S. and P. K. Garg, (2002) Textbook on Remote Sensing, A.H Wheeler Publishing. • Bhatta, Basudeb (2008) Remote Sensing and GIS, OUP India. • Cracknell, A.P. (1990) Introduction to Remote Sensing, Taylor & Francis, London. • Curran, P.J. (1985) Principles of Remote Sensing, Longman, London. • Lueder, D.R., 1959 Aerial Photographic Interpretation, McGraw-Hill, New York. • Sui, Daniel (2008) Geospatial Technologies and Homeland Security: Research Frontiers and Future Challenges, Springer Science & Business Media. • Thomas, M. Lilles and, Ralph W. Kiefer and Jonathan W. Chipman, (2015) Remote Sensing and Image Interpretation 7th edition, Wiley. 	


 Chairperson
 Dept. of Political Science
 K.U. Kurukshetra-136119

Under Graduate Programme (Defence Studies) Syllabus, Semester-VI

DSE-5			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	VI		
Name of the Course	Conflict & Media		
Course Code	B23-DFS-605		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	DSE-5		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the concept of conflict and media and role of media in conflict situation. 2. Acquire better knowledge of the Information Age and impact of media on society and states. 3. Understand the core elements of national security and role of media in conflicts from Indian perspective. 4. Develop a better understanding about the terrorism, media ethics and laws. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks:100 Internal Assessment Marks:30 End Term Exam Marks: 70	Time: 3 Hours		
Part-B Contents of the Course			
<p>Instructions for Paper Setters: The question paper will consist of NINE questions out of which the candidate will be required to attempt FIVE questions. The first question will be compulsory and will have 7 short answer questions uniformly spread over entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units.</p>			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-135119

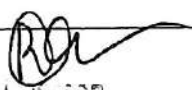
Each question will carry 14 marks. The candidate would be required to attempt ONE question from each unit in addition to compulsory question.

Unit	Topics	Contact Hours
I	Conflict and Media: Concept, Meaning and definition. Role of Media in International Conflict.	12
II	Information Age and changing dimensions of conflict. Increasing Impact of Media on Society and States.	12
III	National Security and Role of Media. Role of Media in Conflicts: Indian Perspective.	12
IV	Terrorism and Media. Media ethics and Laws regarding Conflict.	12
	Tutorial	12
Suggested Evaluation Methods		
Internal Assessment: 30 Marks Class Participation 05 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		End Term Examination 70 Marks

Part-C Learning Resources

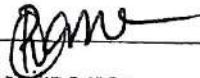
Recommended Books:

- Allen Tim and Seaton Jean (Eds.) (1999) The Media of Conflict: War Reporting and Representations of Ethnic Violence, University of Chicago Press.
- Andrew Hoskins, Ben O'Loughlin (2010) War and Media: The Emergence of Diffused war, John Wiley & sons.
- Carruthers Susan, (2000) The Media at War: Communication and Conflict in the Twentieth Century, St. Martin's Press, New York.
- Daya Kishan Thussu, Des Freedman, (2003) War and the Media: Reporting Conflict 24/7, Sage Publications, California.
- Gilboa, Eytan (ed) (2002) Media and Conflict: Framing Issues, Making Policy, Shaping Opinions, Brill – Martinus Nijhoff.
- Haridakis Paul M., Hugenberg Barbara S., Wearden Stanley (eds.), (2009) War and the Media: Essays on news reporting, Propaganda and Popular Culture, McFarland.
- Hudson Miles, Stanier John, (1999) War and the Media : A Random Searchlight, NYU Press.


 G. P. Johnson
 Deptt. of Political Science
 K.U. Kurukshetra 136119


Under Graduate Programme (Defence Studies) Syllabus, Semester-VI

DSE-5			
Session 2025-2026			
Part-A Introduction			
Subject	Defence Studies		
Semester	VI		
Name of the Course	Legal Aspects of International Security		
Course Code	B23-DFS-606		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/ AEC/ VAC)	DSE-5		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the basic aspects of international law. 2. Identify various aspects of legal provisions and practices in international security and war. 3. Learns basics of laws of warfare through existing international legal principles. 4. Develop a better understanding about the laws of neutrality, blockade, prize courts and ICJ. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks:100 Internal Assessment Marks:30 End Term Exam Marks: 70	Time: 3 Hours		
Part-B Contents of the Course			
<p>Instructions for Paper Setters: The question paper will consist of NINE questions out of which the candidate will be required to attempt FIVE questions. The first question will be compulsory and will have 7 short answer questions uniformly spread over entire syllabus. The remaining EIGHT questions will be set taking TWO questions from each of the four units. Each question will carry 14 marks. The candidate would be required to attempt ONE question from each unit in addition to compulsory question.</p>			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Unit	Topics	Contact Hours
I	Introduction a. Definition of International Law – Its history and development. b. Nature, source and codification. c. Relationship between International Law and Municipal Law.	12
II	Laws of war – I a. War – Its legal character and effects. b. Pacific and Coercive means to settle international disputes.	12
III	Laws of war – II a. Laws of Land warfare. b. Laws of Maritime warfare. c. Contraband and Doctrine of Continuous Voyage d. Laws of Aerial Warfare.	12
IV	Laws of Neutrality a. Basic understanding of laws of neutrality Legal Mechanisms b. Blockade – Concept establishments Kinds and Penalties for breach c. Prize courts Its role and importance d. Role and functions of international court of Justice.	12
	Tutorial	12
Suggested Evaluation Methods		
Internal Assessment: 30 Marks		End Term Examination
Class Participation 05 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		70 Marks

Part-C Learning Resources
<p>Recommended Books:</p> <ul style="list-style-type: none"> • Tandon, M.P, and Rajesh Tandon, (1987) An Introduction of International Law, Allahabad Law Agency, Allahabad. • Kapoor, S.K., (1987) International Law, Central Law Agency, Allahabad. • Chavan, R.S., (1971) An Approach to International Law, Sterling Publisher, New Delhi. • Starke, J., (1972) An Introduction to International Law, Buttersworth, London. • Oppenheim, L (2008) International Law. 9th Edition, University of Cambridge.


 Chairperson
 Deptt. of Political Science
 K.J. Somaiya Institute of Management Studies & Research

Kurukshetra University, Kurukshetra

(Established by the State Legislature Act-XII of 1956)

("A++" Grade, NAAC Accredited)



Syllabi Of Post Graduate Programme

M.A. Political Science

as per NEP 2020

Curriculum and Credit Framework for Postgraduate Programme

With Internship and CBCS-LOCF

With effect from the session 2024-25 (in phased manner)

DEPARTMENT OF POLITICAL SCIENCE
FACULTY OF SOCIAL SCIENCE

KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119
HARYANA, INDIA

MA Political Science Semester III (CC 9)

Session: 2025-2026

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	Political Theory-I		
Course Code	M24-POL -301		
Course Type	CC-9		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Understand the meaning and significance of Political Theory and the concept of Ideology CLO2: Develop a deep understanding of Behavioural and Post Behavioural movements. CLO3: Comprehend various theories of Liberty and Equality CLO 4: Understand various theories of Justice and Democracy		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Meaning, Nature and Significance of Political Theory; Concept of Ideology	15
II	Behaviouralism and Decline of Political Theory, Post-Behaviouralism and Resurgence of Political Theory	15
III	Theories of Liberty and Equality	15
IV	Theories of Justice and Democracy	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. D. Bell, *The End of Ideology*, New York, The Free Press, 1960.
2. A. Cobban, 'The Decline of Political Theory,' *Political Science Quarterly*, 1953, LXVIII, pp. 321-337.
3. D. Easton, *The future of the postbehavioural phase in political science*, in *Contemporary Empirical Political Theory*, K. R. Monroe (ed.), Berkeley, University of California Press, 1997.
4. F. Fukuyama, *The End of History and the last Man*, Harmondsworth, Penguins, 1992.
5. R. E. Goodin and H.D. Klingemann (eds.), *A New Handbook of Political Science*, Oxford, Oxford University Press, 1996.
6. D. Held, *Political Theory Today*, Cambridge, Polity Press, 1991.
7. W. Kymlicka, *Contemporary Political Philosophy: An Introduction*, Oxford, The Clarendon Press, 1990.
8. S. Mulhall and A. Swift, *Liberals and Communitarians*, Oxford, Basil Blackwell, 1992.
9. R. Plant, *Modern Political Thought*, Oxford, Blackwell, 1991.
10. G.H. Sabine, *What is Political Theory?*, *Journal of Politics*, 1939, 1(1).
11. R. J. Bernstein (ed.), *Habermas and Modernity*, Cambridge, Polity Press, 1985.
12. R. Grant, *Oakeshott*, London, Claridge Press, 1990.
13. L. Hutcheon, *The Politics of Postmodernism*, London and New York, Routledge, 1989.
14. S. K. White, *Political Theory and Postmodernism*, Cambridge, Cambridge University Press, 1991.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

MA Political Science Semester III (CC 10)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	Comparative Politics-I		
Course Code	M24-POL 302		
Course Type	CC-10		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Comprehend the meaning and evolution of Comparative Politics along with various traditional approaches to study the same. CLO 2: Learn to use modern approaches to compare various political systems. CLO3: Develop an understanding of the concept of constitutionalism along with various forms of government. CLO4: Compare and assess different organs of the government and types of political systems		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Comparative Politics: Meaning, Nature & Scope; Evolution of Comparative Politics as a Separate Discipline. Approaches to the Study of Comparative Politics: Traditional Approaches: Philosophical, Historical, Legal – Institutional.	15
II	Modern Approaches: Systems Analysis: Structural-Functionalism; Political Culture. Political Socialization, Political Development, Political Modernization, Political Communication, Political Participation.	15
III	Constitutionalism: Concept, History of Constitutionalism and Problems, Forms of Government: Unitary & Federal, Presidential & Parliamentary	15
IV	Liberal Democratic & Authoritarian Political Systems; Organs of Government: Executive, Legislature & Judiciary – their relationship in Comparative Perspective	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. G.A. Almond and J.S. Coleman, The Politics of the Developing Areas, Princeton NJ, Princeton University Press, 1960.
2. G.A. Almond, and S. Verba, The Civic Culture : Political Attitudes and Democracy in Five Nations, Princeton NJ, Princeton University Press, 1963.
3. G.A. Almond, Comparative Politics Today : A World View, 7th edn., New York, London, Harper/Collins, 2000.
4. D.E. Apter, The Politics of Modernization, Chicago, University of Chicago Press, 1965.
5. A. Bebler and J. Seroka (eds.), Contemporary Political Systems: Classifications and Typologies, Boulder Colorado, Lynne Reinner Publishers, 1990.
6. L.J. Cantori and A.H. Zeigler (ed.), Comparative Politics in the Post-Behaviouralist Era, London, Lynne Reinner Publisher, 1988.
7. O. Dunleavy and B.O' Leary, Theories of Liberal Democratic State, London, Macmillan, 1987.
8. R. Hauge and M. Harrop, Comparative Government and Politics. An Introduction, 5th edn., New York, Palgrave, 2001.
9. H. Finer, Theory and Practice of Modern Government, London, Methuen, 1969.
10. J.C. Johari, Comparative Political Theory: New Dimensions, Basic Concepts and Major Trends, New Delhi, Sterling, 1987.
11. K. Kumar, Revolution : The Theory and Practice of a European Idea, London, Weidenfeld and Nicolson, 1971.
12. R.C. Macridis, The Study of Comparative Government, New York, Doubleday, 1955.
13. R.C. Macridis and R.E. Ward, Modern Political Systems : Europe, and Asia, 2nd edn., Englewood Cliffs NJ, Prentice Hall, 1968.
14. J. Manor (ed.), Rethinking Third World Politics, London, Longman, 1991.
15. R.C. Macridis, Modern European Governments: Cases in Comparative Policy - Making, Englewood Cliffs NJ, Prentice Hall, 1968.
16. L.W. Pey (ed.), Communication and Political Development, Princeton NJ, Princeton University Press, 1963.
17. R.I. Rotberg (ed.), Politics and Political Change : A Journal of Inter-Disciplinary History Reader, Massachusetts, MIT Press, 2001.
18. H.J. Wiarda (ed.), New Developments in Comparative Politics, Boulder Colorado, Westview Press, 1986.
19. Prabir De, Comparative Politics, Pearson, New Delhi, 2012.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

MA Political Science Semester III (DEC 3)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	India's Foreign Policy and Relations-I		
Course Code	M24-POL- 303		
Course Type	DEC-3		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Possess the knowledge of historical development, principles and objectives of India's foreign policy and how it is shaped by domestic and external factors. CLO 2: Explore the different institutions involved in the making of foreign policy of India and also to comprehend the intricacies of making of India's foreign policy. CLO 3: Assess the changes and continuities in foreign policy of India with major powers of world. CLO 4: Examine the economic dimension of foreign policy of India and critically analyze the monetary sources of economic growth from other countries.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		


Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Meaning of Foreign Policy: History, Principles and Objectives of India's Foreign Policy; Domestic and External Determinants.	15
II	Structure and Process of Foreign Policy Making-Role of Cabinet and National Security Council, Ministry of External Affairs, Parliament and Intelligence Agencies.	15
III	India's Relations with Major Countries: - USA, USSR/Russia, Britain, Japan and Australia.	15
IV	India's Foreign Economic Policy Determinants, Impact of Globalization, Foreign Direct Investments, Foreign Aid and Foreign Trade	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


 Chairperson
 Deptt. of Political Science
 K. U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. R.S. Yadav, Bharat Ki VideshNiti(in Hindi), Pearson, New Delhi, 2012.
2. R.S. Yadav& Suresh Dhanda, eds., India's Foreign Policy: Contemporary Trends, New Delhi, Shipra, 2009.
3. R.S. Yadav (ed.), India's Foreign Policy Towards 2000 A.D., New Delhi, Deep & Deep, 1993.
4. J.N. Dixit, Across Border: Fifty Years of India's Foreign Policy, New Delhi, 1999.
5. J. Bandhopahdyaya, The Making of India's Foreign Policy, Calcutta, Allied, 1979.
6. V.P. Dutt, India's Foreign Policy in a Changing World, New Delhi, Vikas, 1999.
7. N.K. Jha (ed.), India's Foreign Policy in a Changing World, New Delhi, South Asian Publishers, 2000.
8. H. Kapur, India's Foreign Policy : 1947-1993, New Delhi, Sage, 1994.
9. N. Jetley, India's Foreign Policy : Challenges and Prospects, New Delhi, JanakiPrakashan, 1985.
10. S. Mansingh (ed.), India's Foreign Policy in the 21st Century, New Delhi, Foreign Policy Institute, 1999.
11. R. Thakur, Politics and Economics of India's Foreign Policy, Delhi, Oxford University Press, 1993.
12. C. Raja Mohan, Crossing The Rubicon: The Shaping of India's New Foreign Policy, New Delhi, Viking, 2003.
13. N.S. Sisodia& C. UdayBhaskar, eds., Emerging India: Security and Foreign Policy Perspective, New Delhi, Promilla, 2007.
14. RajenHarshe& K.M. Seethi, eds., Engaging with the World: Critical Reflections on India's Foreign Policy, New Delhi, Orientlongman, 2005.
15. AnandMathur&SohanlalMeena, eds., India Profile in Polycentric World Order, Jaipur, RBSA, 2008.
16. Annapurna Nautiyal, ed., Challenges to India's Foreign Policy in the New Era, New Delhi, 2006.
17. AtishSinha&MadhupMahota, eds., Indian Foreign Policy: Challenges and Opportunities, New Delhi, Academic, 2007.
18. Jayanta Kumar Roy, India's Foreign Relations, 1947-2007, Routledge, New Delhi, 2011.
19. Dilip H. Mohite and AmitDholakia, eds, India and The Emerging World Ordre, Kalinga, New Delhi, 2001.
20. Anjali Ghosh& others, India's Foreign Policy, Pearson, New Delhi, 2012.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

MA Political Science Semester III (DEC 3)

Session: 2025-26


Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	Political Sociology: The Indian Context-I		
Course Code	M24- POL- 304		
Course Type	DEC -3		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the historical evolution of Political Sociology and its major approaches.</p> <p>CLO 2: Critically analyse the social framework in relation to political system in India.</p> <p>CLO3: Understand the interaction between Society & Polity</p> <p>CLO4: Develop a deeper understanding of social asymmetries and their impact on politics in India.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Meaning, Nature and Scope of Political Sociology, Historical Sociology - Weber, Evolution and Development of Political Sociology. Major Approaches to the Study of Political Sociology: Systems, Structural Functional, Behavioural & Conflict Approach.	15
II	The Social Framework and the Political System in India: Political Influence, Power, Authority and Bureaucracy, Legitimacy, Masses and Elite.	15
III	Interaction between Society & Polity: Political Recruitment, Political Communication, Socio-Economic Bases of Community Power Structure & Political Participation	15
IV	Social Asymmetries and Politics in India: Social Stratification - Theory and Practice with Special Reference to Caste and Class, Equality and Inequality Debate.	15
Total Contact Hours		60

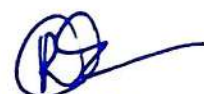

 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
> Theory	30	> Theory:	70
• Class Participation	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. G.A. Almond and S. Verba, *The Civic Culture*, Princeton NJ, Princeton University Press, 1963.
2. S. Bayly, *Caste, Society and Politics in India from the Eighteenth Century to the Modern Age*, Cambridge, Cambridge University Press, 1999.
3. R. Bendix, and S.M. Lipset, *Class, Status and Power*, 2nd edn., New York, The Free Press, 1966.
4. P.R. Brass, *Caste, Faction and Party in Indian Politics*, Vols. 2, Delhi, Chankya Publication, 1984-85.
5. P.R. Brass, *Ethnicity and Nationalism: Theory and Comparison*, New Delhi, Sage, 1991.
6. R.E. Dawson and K. Prewitt, *Political Socialization*, Boston, Little Brown, 1969.
7. A.R. Desai, *State and Society in India: Essays in Dissent*, Bombay, Popular, 1974.
8. M. Galanter, *Competing Equalities : Law and the Backward Classes in India*, Berkley, University of California Press, 1983.
9. M. Janowitz, *Political Conflict: Essays in Political Sociology*, New York, New Viewpoints, Watts, 1970.
10. R. Kothari, *Caste and Politics in India*, New Delhi, Orient Longman, 1970.
11. R. Kothari, *Politics in India*, New Delhi, Orient Longman, 1970.
12. R. Kothari, *Democratic Polity and Social Change in India*, Delhi, Allied, 1976.
13. A.Kumar (ed.), *National-Building in India: Culture, Power and Society*, New Delhi, Radiant Publishers, 1999.
14. L.Milbrath, *Political Participation*, Skokie Illinois, Rand-McNally, 1965.
15. T.K. Oomen, *Protest and Change: Studies in Social Movements*, New Delhi, Sage, 1990.
16. D. Sheth, "Caste and Class : Social Reality and Political Representation" in V.A. PaiPanadikar and A. Nandy (eds.), *Contemporary India*, Delhi, Tata McGraw Hill, 1999.



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Political Science Semester III (DEC 3)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	Government & Politics of USA-I		
Course Code	M24-POL- 305		
Course Type	DEC-3		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Comprehend the process of evolution and making of American Constitution. CLO 2: Critically analyze the relation between Union Legislature & Executive in USA. CLO 3: Develop a deeper understanding of the Judicial system of USA. CLO 4: Understand the problems in the working of the American Constitutional System.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

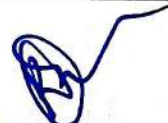
Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Constitutional Basis: Historical and Philosophical; Evolution and Making of Constitution; Basic Features. Fundamental Rights of Citizens, Federalism, Amendment Process.	15
II	Union Legislature & Executive: President – Election, Power & Position; Congress – Composition, Power & Position.	15
III	Judiciary System: Supreme Court of USA, Judicial Review, Independence of Judiciary. Lower Courts.	15
IV	Problems in the Working of Constitutional System.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Lawrence Dodd, The Dynamics of American Politics, 1994.
2. Schlesinger, Running for President: The Candidates and Their Images, 1994.
3. Hill, Real Life Dictionary of American Politics, 1994.
4. P.S., Paludan, The Presidency of Abraham Lincoln, 1994.
5. Sidney Milkis, The American Presidency: Origins Development, 1994.
6. Robert Ross, American National Government, 1993.
7. Schneider, Legislative Strategy: Shaping Public Policy, 1993.
8. Baumgartner, Agendas and Instability in American Politics, 1993.
9. Max Skidmore, American Government: A Brief Introduction, 1992.
10. E.J., Dionne, Why Americans hate Politics, 1991.
11. Connelly, Almanac of American Presidents: From 1789 to the Present, 1991.
12. Steven Smith, Committees in Congress, 1990.
13. Blumenthal, Pledging Allegiance: The Last Campaign of the Cold War, 1990.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester III (DEC 3)

Session: 2025-2026

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	Ancient Indian Political Thought-I		
Course Code	M24-POL -306		
Course Type	DEC-3		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Understand the features of ancient Indian polity. CLO2: Understand the basic concepts, evolution and interpretation of Puranas and Vedanta. CLO3: Develop an understanding of political philosophy of Buddhism and Jainism. CLO 4: Gain knowledge of religious law, moral codes and social customs of Manu and Yajnavalkya.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Sources of Knowledge of Ancient Political Thought. Interpretations of Ancient Indian Political Thought – Methodological Issues & Schools of Thought; Features of Ancient Indian Polity. Difficulties in the Study of Indian Political Thought	15
II	Political Philosophy of Puranas – Basic Concepts, Evolution; Character and Interpretations; Political Philosophy of Vedanta – Basic concepts, Evolution, Character and Interpretations.	15
III	Buddhist Political Philosophy – Basic Concepts, Evolution; Character and Interpretations; Political Philosophy of Jainism – Basic Concepts, Evolution, Character and Interpretations.	15
IV	Brahmanical Works of Sacred Law – Manu and Yajnavalkya.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


 Chairperson
 Dept. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. A.S. Altekar, State and Government in Ancient India, Delhi, MotilalBanarsidass, 1966.
2. D.R. Bhandarkar, Some Aspects of Ancient Hindu Polity, Varanasi, Banaras Hindu University, 1963.
3. Drekmeri, Kingship and community in Early India, Berkeley, University of california Press, 1962.
4. U.N. Ghoshal, A History of Hindu Political Theories, Calcutta, Oxford University Press, 1966.
5. R.P. Kangle, Kautilya's Arthashastra, Bombay, University of Bombay, 1972.
6. N.N. Law, Aspects of Ancient Indian, Polity, Oxford, The Clarendon Press, 1921.
7. R.K. Mukherji, Local Government in Ancient India, Oxford, Oxford University Press, 1920.
8. B.Prasad, The State in Ancient India, Allahabad, University of Allahabad, 1960.
9. C.Radhakrishna, Kautilya's Political Ideas and Institutions, Varanasi, Chowkhamba Sanskrit Series Office, 1971.
10. B.A. Saletroe, Ancient Indian Political Thought and Institutions, Bombay, University of Bombay, 1963.
11. R. Shamasastri, Evolution of Indian Polity, Calcutta, 1920.
12. J.P. Sharma, Republics in Ancient India, London, Leiden E.J., Brill, 1968.
13. R.S. Sharma, Aspects of Political Ideas and Institutions in Ancient India, Delhi, 1959.
14. J. Spellman, The Political Theory of Ancient India, Oxford, The Clarendon press, 1964.
15. V.P. Varma, Studies in Hindu Political Thought and Its Metaphysical Foundations, Dehli, MotilalBanarsidass, 1974.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester III (DEC 4)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	International Law-I		
Course Code	M24-POL 307		
Course Type	DEC-4		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Grasp the basis and sources of international law and its relationship with Municipal law. CLO 2: Develop a thorough understanding of concepts and subjects of international law CLO 3: Understand the jurisdiction of state over citizens, aliens and diplomats. CLO 4: Understand the jurisdiction of states over land, air and water, besides the mode of acquiring and losing the state territory.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Nature, Scope and Basis of International Law; Sources of International Law. Relationship between International Law and Municipal Law.	15
II	Codification, Subjects of International Law. Recognition; State Succession; Intervention and Treaties.	15
III	Jurisdiction over Aliens; Nationality; Extradition and Diplomatic Privileges and Immunities.	15
IV	State Territory and Jurisdiction over Land, Air and Water; Modes of Acquiring and Losing State Territory.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Brownline, Principles of Public International Law, Oxford, Clarendon Press, 1973, Second Edition.
2. C.G. Fenwick, International Law, Bombay, Vakils, 1971.
3. J.G. Starke, An Introduction to International Law, London, Butterworths, 1972.
4. P.E. Corbett, Law and Diplomacy, Princeton NJ, Princeton University Press, 1959.
5. K. Deutsch and S. Hoffman (ed.), The Relevance of International Law, Oxford, Clarendon Press, 1955.
6. L. Duguit, Law in the Modern State, New York, B.W. Huebsch, 1919.
7. W. Friedmann, The Changing Structure of International Law, New York, Columbia University Press, 1964.
8. H. Kelsen, Principles of International Law, New York, Rinehart and Co., 1952.
9. J. Mattern, Concepts of State, Sovereignty and International Law, Baltimore, Johns Hopkins Press, 1928.
10. L. Oppenheimer, International Law Vol. 1, 1969, Revised edn., Vol II, 1953.
11. J. Stone, Legal Controls of International Conflict, New York, Rinehart and Company, 1954.
12. C. de Visscher, Theory and Reality in Public International Law, Princeton NJ, Princeton University Press, 1957.
13. Sir J.F. Williams, Aspects of Modern International Law, New York, Oxford University Press, 1939.


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester III (DEC4)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	State Politics in India (with special reference to Haryana) -I		
Course Code	M24-POL 308		
Course Type	DEC-4		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the theoretical framework, significance and patterns of State Politics.</p> <p>CLO 2: Analyze the determinants of State Politics and develop an understanding of linguistic Reorganization of States in India.</p> <p>CLO 3: Comprehend the theory and practice of Federalism in India.</p> <p>CLO 4: Understand the politics of Secessionism, demand for separate states and the problem of Naxalism in India.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Theoretical Framework for the Study of State Politics, Significance of the Study of State Politics, Patterns of State Politics.	15
II	Determinants of State Politics, Linguistic Reorganization of States in India.	15
III	Federalism in India: Theory & Practice, Centre-State Legislative, Administrative & Financial Relations.	15
IV	Demands for Separate States in India, Secessionist Movements in India- Punjab, Jammu & Kashmir and the North- East, Problem of Naxalism in Indian States.	15
Total Contact Hours		60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. G. Austin, The Indian Constitution: Corner Stone of a Nation, Oxford, Oxford University Press, 1966.
2. A.Chanda, Federalism in India: A Study of Union-State Relations, London, George Allen &Unwin, 1965.
3. P.Chatterjee (ed.), States and Politics in India, Delhi, Oxford University Press, 1997.
4. A.Kohli (ed.), India's Democracy: An Analysis of Changing State - Society Relations, Princeton, Princeton University Press, 1988.
5. A.Kohli, Democracy and Discontent: India's Growing Crisis of Governability, Cambridge, Cambridge University Press, 1991.
6. R. Kothari, Politics in India, New Delhi, Orient Longman, 1970.
7. I.Narain (ed.), State Politics in India, Meerut, MeenakshiParkashan, 1967.
8. S. Pai, State Politics: New Dimensions : Party System, Liberalization and Politics of Identity, Delhi, 2000.
9. S.C. Mittal, Haryana: A Historical Perspective, New Delhi, Atlantic Publishers, 1986.
10. P.D. Sharma, Legislative Elite in India : A Study in Political, Socialization, Kurukshetra, Vishal, 1984.
11. Harinder K. Chhabra, State Politics in India, Delhi, Surjeet Publications, 1980.
12. B.L. Fadia, State Politics in India, Vol I & II, New Delhi, Radiant Publishes, 1984.
13. O.P. Goel, Caste and Voting Behaviour, New Delhi, Ritu Publishers, 1981.
14. Subhash C. Kashyap, The Politics of Defection - A Study of State Politics in India, Delhi, National Publishing House, 1969.
15. T.R. Sharma (ed.), New Challenges of Politics in Indian States, New Delhi, Uppal Publishing House, 1985.
16. P. Choudhary, The Veiled Women: Shifting Gender Equations in Rural Haryana 1880-1990, Delhi, Oxford University Press, 1994.
17. Other Readings: Journal of Haryana Studies, Kurukshetra University Research Journal of Arts and Humanities.


 Chairperson
 Dept. of Political Science
 K.U. Kurukshetra-136119

M.A Political Science Semester III (DEC 4)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	USA and the World-I		
Course Code	M24-POL- 309		
Course Type	DEC-4		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO1: Gain an understanding of the various facets of the US foreign policy up to 1945.</p> <p>CLO2: Gain knowledge of USA's policy of containment during the cold war era.</p> <p>CLO 3: Develop a thorough understanding of the policy of detente and its consequences in the world politics.</p> <p>CLO 4: Analyse the new world order and non-conventional security threats emerged in the post-cold war era.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	US Foreign Policy: Origin, Sources, Principles & Objectives, Historical Development upto 1945.	15
II	Containment & Rivalry with USSR upto 1975.	15
III	Policy of Détente and its implications for USA and Global Politics.	15
IV	End of Cold War & Problem of US Hegemony and Dominance, New Challenges & Non-conventional Security Threats.	15
Total Contact Hours		60

Evaluation Methods

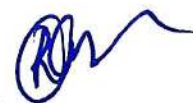
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Dennis Kux, India and the United States, Estranged Democracies, 1941-1991 (National Defense University Press, Washington, 1992).
2. Dennis Kux, The United and Pakistan, 1947-2000: Disenchanted Allies (John Hopkins University Press, Baltimore, 2001).
3. Strobe Talbott, Engaging India: Diplomacy, Democracy and the Bomb (Penguin, 2004).
4. KanishkvanSathasivam, Uneasy Neighbors: India, Pakistan and US Foreign Policy (Ashgate Publication, Burlington, Vt., 2005).
5. John Spanier and Steven Hook, American Foreign Policy Since World War II (13thEd., Washington, D.C., Congressional Quarterly Press, 1995).
6. James David Meernik, The Political Use of Military Force in US Foreign Policy (Ashgate Publications, Burlington, VT., 2004).
7. Margaret P., Karns and Karen A. Mingst, eds., The United States and Multilateral Institutions (Boston, Unwin Hyman, 1990).
8. Bruce W., Jentleson, American Foreign Policy: The Dynamics of Choice in the 21stCentury (New York, W.W., Norton, 2000).
9. Robert Wirsing, Kashmir in the Shadow of War: Regional Rivalries in Nuclear Age (Spring Books, India, 2004).



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester III (DEC 4)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	Modern Indian Political Thought-I		
Course Code	M24-POL 310		
Course Type	DEC-4		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Analyze the social and political thought of Raja Ram Mohan Roy and Swami Vivekanand. CLO2: Develop a comprehensive understanding of political philosophy of RabindraNath Tagore, BalGangadharTilak and Bhagat Singh. CLO3: Comprehend the evolution of Economic Theory of Naroji and Ranade. CLO4: Develop a capacity to analyze the political ideas of Gokhale and Nehru.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Rammohan Roy; Swami Vivekanand.	15
II	RabindraNath Tagore, BalGangadharTilak; Bhagat Singh	15
III	DadabhaiNaoroji; MG Ranade	15
IV	G.K. Gokhale; Jawaharlal Nehru	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. A.Appadorai, Indian Political Thinking Through the Ages, Delhi Khanna Publishers, 1992.
2. J. Bandhopahdyaya, Social and Political Thought of Gandhi, Bombay, Allied, 1969.
3. R.J. Cashman, The Myth of 'Lokmanya' Tilak and Mass Politics in Maharashtra, Berkeley, University of California Press, 1975.
4. Chandra, Nationalism and Colonialism in Modern India, Delhi, Vikas, 1979.
5. K.Damodaran, Indian Thought : A Critical Survey, London, Asia Publishing House, 1967.
6. D.G. Dalton, India's Idea of Freedom : Political Thought of Swami Vivekananda, AurobindoGhose, Mahatma Gandhi and Rabindranath Tagore, Delhi, Academic Press, 1982.
7. S. Ghose, The Renaissance to Militant Nationalism, Bombay, Allied Publishers, 1969.
8. S.Ghose, Socialism, Democracy and Nationalism in India, Bombay, Allied Publishers, 1973.
9. S. Ghose, Modern Indian Political Thought, Delhi, Allied, 1984.
10. U.N. Ghoshal, A History of Indian Political Ideas, London, Oxford University Press, 1959.
11. J.P. Haitheox, Communism and Nationalism in India : M.N. Roy and Comintern Policy, Princeton NJ, Princeton University Press, 1971.
12. Heimsath, Indian Nationalism and Social Reform, Princeton NJ, Princeton University Press, 1964.
13. R. Iyer, The Moral and Political Thought of Mahatma Gandhi, Delhi, Oxford University Press, 1973.
14. K.N. Kadam (ed.), Dr. B.R. Ambedkar, New Delhi, Sage, 1992.
15. K.P. Karunakaran, Modern Indian Political Tradition, New Delhi, Allied Publishers, 1962.
16. K.P. Karunakaran, Indian Politics from DababhaiNaoroji to Gandhi : A Study of Political Ideas of Modern India, New Delhi, Gitanjali, 1975.
17. V.R.Mehta, Foundations of Indian Political Thought, New Delhi, Manohar, 1992.
18. V.S. Narvane, Modern Indian Thought, New Delhi, Orient Longman, 1978.
19. D.P. Roy, Leftist Politics in India : M. N. Roy and the Radical Democratic Party, Calcutta, Minerva, 1989.
20. V.P. Verma, Modern Indian Political Thought, Agra, Lakshmi NarainAggarwal, 1974.


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester III (DEC 5)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	International Organization and Global Order Studies-I		
Course Code	MA24- POL-311		
Course Type	DEC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Comprehend the historical evolution of International Organization and draw a comparison between the League and the UN.</p> <p>CLO 2: Develop an understanding of the structure and function of organs of the United Nations.</p> <p>CLO 3: Understand the changing nature and democratization of United Nations in post-cold war era.</p> <p>CLO 4: Understand the role of United Nations in settlement of disputes and international cooperation.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Historical Evolution of International Organization: Concert of Europe, Hague Systems, Public International Unions, Genesis of League. Origin of the United Nations: Nature and Principles; Comparison between League and UN systems.	15
II	Organs of the United Nations: General Assembly, Security Council, Economic & Social Council, Trusteeship, International Court of Justice, Secretariat; Role of Secretary General.	15
III	Disarmament; Changing Nature of UN in the Post-Cold War Era; Democratization of UN System and India's Claim for Permanent Seat in Security Council.	15
IV	International Organization and Global Political Problems: Pacific and Coercive Methods for the Settlement of Disputes, (Ch.VI&VII), Promotion of International Cooperation and Non-Political Agencies, Role of Special Agencies of the UN; United Nations and Socio-Economic Development.	15
Total Contact Hours		60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources**Recommended Books/e-resources/LMS:**

1. Richard K. Ashley, "The Eye of Power : The Politics of World Modelling," International Organization, Vol. 37, No. 3, 1983.
2. Inis Claude, Changing United Nations, New York, Random House, 1967.
3. Inis Claude, Swords into ploughshares : The Problems and Progress of International organisations, New York, Random House, 1971.
4. S.J.R. Bilgrami, International Organisation, New Delhi, Vikas, 1971.
5. E. Laurd, A History of the United Nations, London, Macmillan, 1989.
6. R.C. Angell, The Quest for World Order, Ann Arbor, University of Michigan Press, 1979.
7. A.L. Bennett, International Organizations : Principles and Issues, Englewood Cliffs NJ, Prentice Hall, 1977.
8. H.G. Nicholas, The UN as a Political Institution, Oxford, Oxford University Press, 1975.
9. W.H. Lewis (ed.), The Security Role of the United Nations, New York, Praegar, 1991.
10. Ronald Meltzer, "Restructuring the UN System, Institutional Reform, Efforts in the Context of North-South Relations," International Organization, vol. 32, No. 4, 1978.
11. Ronald Yalem, "Conflicting Approaches to World Order," Alternatives, Vol. 5, 1979- 1980.
12. P. Baehr and L. Gordenker, The United Nations in the 1990s, London, Oxford University Press, 1992.
13. Rikhey, Strengthening UN Peace keeping, London, Hurst and Co., 1993.
14. K. P. Saxena, Reforming the United Nations : The Challenge and Relevance, New Delhi, Sage, 1993.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester III (DEC-5)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	Democracy in India-I		
Course Code	M24-POL-312		
Course Type	DEC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the structure of Indian Democracy with the help of different democratic theories and democratic thinking in India before and after independence.</p> <p>CLO 2: Comprehend the specificity of the electoral process in India, electoral reforms, electoral politics and voting behavior.</p> <p>CLO 3: Understand the role of political parties in Indian democracy and alignment and re-alignment among them.</p> <p>CLO 4: Understand the role of pressure groups, factionalism and defections in Indian Politics.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Concept, Nature and Structure of Indian Democracy; Theories of Democracy: classical, Elitist, Pluralist and Marxist. Resilience of Democracy in India: Democratic Thinking and Tradition in Ancient India; Democratic Thinking in Indian Independence Movement and After Independence.	15
II	Election Commission, Electoral Process, Defects and Reforms of Electoral Process: V.M. Tarkunde, Dinesh Goswami and Inderjeet Gupta Reports, Electoral Politics and Determinants of Voting Behaviour.	15
III	Political Parties: Evolution, Bases, Nature and Classification of Political Parties. Their role in Democracy, Alignment and Realignment among Political Parties in India.	15
IV	Interest & Pressure Groups in India; Kinds and Techniques of Pressure groups: Factions and Factional Politics. Politics of Defections and Anti- Defection Law.	15
Total Contact Hours		60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Suggested Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources**Recommended Books/e-resources/LMS:**

1. G. Austin, Working a Democratic Constitution : The Indian Experience, Delhi, Oxford University Press, 2000.
2. P. Brass, The Politics of India Since Independence, 2nd edn., Cambridge, Cambridge University Press, 1994.
3. P. Chatterjee (ed.), States and Politics in India, Delhi, Oxford University Press, 1997.
4. F. Frankel, India's Political Economy, 1947-77 : The Gradual Revolution. Princeton NJ, Princeton University Press, 1978.
5. A.H. Hanson and J. Douglas, India's Democracy, New Delhi, Vikas, 1972.
6. N. Jayal, Democracy and the State : Welfare, Secularism and Development in Contemporary India, Delhi, Oxford University Press, 1999.
7. N. Jayal (ed.), Democracy in India, Delhi, Oxford University Press, 2001.
8. Kohli, Democracy and Discontent : India's Growing Crisis of Governability, Cambridge, Cambridge University Press, 1990.
9. Kohil (ed.), India' Democracy : An Analysis of Changing State- Society Relations, Princeton NJ, Princeton University Press, 1988.
10. Kohli (ed.), The Success of India's Democracy, Cambridge, Cambridge University Press, 2001.
11. R. Kothari, Politics in India, Delhi, Orient Longman, 1970.
12. R. Kothari, Democratic Polity and Social change in India, Delhi, Allied, 1976
13. R. Kothari, State Against Democracy : In Search for Humane Governance, Delhi, Ajanta, 1988.
14. W. H. Morris-Jones, Politics Mainly Indian, Delhi, Orient Longman, 1978.
15. D. Sheth, "Caste and class : social reality and political representations" in V.A. PaiPanandikar and A. Nandy (eds.), Contemporary India, Delhi, Tata MacGraw-Hil, 1999.
16. M.N. Srinivas, Social Change in Modern India, Bombay, Allied Publishers, 1966.
17. Varshney (ed.), The Indian Paradox: Essays in Indian Politics, New Delhi, Sage, 1989.
18. J. Sachs, A. Varshney and N. Bajpai (eds.), India in the Era of Economic Reforms, Oxford, Oxford University Press, 1999.
19. NeeraChandoke, Contemporary India, Pearson, New Delhi, 2011.
20. Parvin Kumar Jha, TulnatamakParipekchaymeinBhartiyaRajniti, Pearson, New Delhi, 2011.
21. Nawab Singh Sombanshy, BharatiyaSamvidhanekSamagraAvlokan, Pearson, New Delhi, 2011.


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Political Science Semester III (DEC 5)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	USA and South Asia		
Course Code	M24-POL- 313		
Course Type	DEC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Develop a thorough understanding of US interest in South Asia. CLO 2: Gain an understanding of the US strategy towards the core countries of South Asia like India and Pakistan. CLO 3: Understand and assess the US policy towards the peripheral countries of South Asia viz. Nepal, Sri Lanka and Bangladesh. CLO 4: Assess the US engagements with South Asian countries through foreign aid, FDI and Joint ventures.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	US Interest in South Asia: Traditional and Contemporary	15
II	US Policy towards Core Countries of South Asia: India & Pakistan	15
III	US Policy towards Peripheral Countries of South Asia: Nepal, Sri Lanka & Bangladesh.	15
IV	Policy of Foreign Aid, Trade, FDI and Joint Venture of US in South Asia; Challenges and Problems in South Asia and American Response.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Lloyd I. Rudolph and Susanne Hoeber Rudolph (Ed.) Making U.S. Foreign Policy toward South Asia: Regional Imperatives and the Imperial Presidency.
2. Aftab Alam, US Policy Towards South Asia: Special Reference to Indo-Pak Relations, Vedame Books, New Delhi
3. R.K. Jain, US-South Asia Relations, 1947-32: Documents, New Delhi: Radiant, 1983, Vol. II, p. 16.
4. Neil Joeck (ed.), Strategic Consequences of Nuclear Proliferation in South Asia, London: Frank Cass and Co., 1986.
5. Kolko, Cabriel, and Joyce Kolko, The Limits of Power: The World and United States Foreign Policy, 1945-1954 (New York Harper & Row, 1972).
6. Wolpert, Stanley, Roots of Confrontation in South Asia: Afghanistan, Pakistan, India and the Superpowers, New York: Oxford University Press, 1982.
7. Barry Buzan and Gowher Rizvi (eds.), South Asian Insecurity and the Great Powers, London: Macmillan, 1986.
8. Lawrence Ziring (ed.), The Subcontinent in World Politics: India Its Neighbours, and the Great Powers, New York: Praeger, 1982.
9. R.K. Jain, US-South Asia Relations, 1947-82: Documents, New Delhi: Radiant, 1983.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

MA Political Science Semester III (DEC 5)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	III		
Name of the Course	Liberal Political Theory		
Course Code	M24-POL- 314		
Course Type	DEC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the relationship between Liberalism and Industrial Revolution, Imperialism and Neo Imperialism. CLO 2 Critically analyze the views of Early Liberals and Liberal Economists CLO 3: Develop a deeper understanding of the ideas of Revisionist Liberals CLO 4: Comprehend the views of modern Liberals.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Liberalism: Meaning, Nature, Main Features of Liberalism; Liberalism and Industrial Revolution; Liberalism and Imperialism & Neo Imperialism	15
II	Early Liberals: Locke, Kant Liberal Economists: Smith and Ricardo	15
III	Revisionist Liberals. Bentham, J.S. Mill & T.H. Green	15
IV	Modern Liberals: John Dewey, Milton Friedan	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. A.Arblaster, The Rise and Decline of Western Liberalism, Oxford, Blackwell, 1984.
2. Sir E. Barker, Political Thought in England from Herbert Spencer to the Present Day, Oxford, Oxford University Prss, 1950.
3. Z. Brzezinski and Staff of the Research Institute of International Change (eds.), The Relevance of Liberalism, Boulder Colorado, Westview Press, 1978.
4. A.Bullock and M. Shock (ed.), The Liberal Tradition : From Fox to Kaynes, London, and New York, Oxford University Press, 1967.
5. Collins, Liberalism in Nineteenth Century Europe, London, The Historical Association, 1957.
6. W.L. Davidson, Political Thought in England, The Utilitarians from Bentham to Mill, Oxford, Oxford University Press, 1957.
7. M.Freeden, The New Liberalism, Oxford and New York, Oxford University Press, 1978.
8. J. Gray, Liberalism, Delhi, World View, 1998.
9. L.T. Hobhouse, Liberalism, London, Oxford University Press, 1964.
10. H.J. Laski, Political Thought from Locke to Bentham, Oxford, Oxford University Press, 1920.
11. A.J. Manning, Liberalism, London, John Dent & Sons, 1976.
12. J. Rawls, Political Liberalism, New York, Columbia University Press, 1993.
13. J. Rawls, The Law of Peoples: The Idea of Public Reason Revisited, Cambridge Massachusetts, Harvard University Press, 1999.
14. J.S. Shapiro, Liberalism: Its Meaning and History, New York, CanNostrand Reinhold, 1958.
15. F.H. Watkins, TheAge of Ideology - Political Thought from 1750 to the Present, New Delhi, Prentice Hall, 1961.
16. S. Wolin, Politics and Vision : Continuity and Innovation in Western Political Thought, Boston, Little Brown, 1960



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Session: 2025-26

Part A - Introduction

Name of the Programme	Political Science		
Semester	III		
Name of the Course	Indian Polity		
Course Code	M24-OEC-340		
Course Type	OEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO1: Understand the basic features of Indian Constitution in detail.</p> <p>CLO2: Comprehensively understand the functioning of Union Legislature and Executive.</p> <p>CLO3: Develop a deep understanding of Executive and Legislature at state level.</p> <p>CLO 4: Have an in-depth understanding the functioning of Indian Judiciary</p>		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		50

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Indian Constitution: Basic Features, Preamble, Fundamental Rights, Directive Principles of State Policy.	7
II	Union Executive and Legislature: President, Prime Minister, Council of Ministers, Parliament.	8
III	State Executive and Legislature: Governor, Chief Minister, State Legislature	7
IV	Judiciary: Supreme Court, High Courts, Judicial Review, judicial Activism.	8
Total Contact Hours		30

Suggested Evaluation Methods

Internal Assessment: 15		End Term Examination: 35	
➤ Theory	15	➤ Theory	35
• Class Participation:	4	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	4		
• Mid-Term Exam:	7		



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. G. Austin, The Indian Constitution Cornerstone of a Nation, OLIP, Oxford, 1966
2. S. Kaviraj, Politics in India, OUP, Delhi, 1998
3. Kohli, (ed.), The Success of India's Democracy, Cambridge University Press, Cambridge, 2001
4. R. Kothari, Politics in India, Orient Longman, New Delhi, 1970
5. WH Morris Jones, Government and Politics in India, BI Publications, Delhi, 1974
6. Neera Chandoke, Contemporary India, Pearson, New Delhi, 2012
7. PR Brass, Politics of India since Independence, Cambridge University Press, Cambridge, 1994.
8. M V Pylee, An Introduction to the Constitution of India, Vikas Publications, New Delhi, 1998.
9. B. Chakrabarty & R K Pandey, Indian Government and Politics, Sage, New Delhi, 2008.
10. MP Singh & R. Saxena, Indian Politics: Constitutional Foundations and Institutional Functioning, PHI, New Delhi, 2011.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

MA Political Science Semester IV (CC 11)

Session: 2025-2026

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	Political Theory-II		
Course Code	M24-POL -401		
Course Type	CC-11		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Develop a better understanding of the ideologies of Liberalism and Conservatism CLO2: Understand the ideologies of Post Modernism and Communitarianism. CLO3: Understand the ideologies of Feminism and Multiculturalism CLO 4: Understand the ideology of Ecologism and the end of ideology and end of history debate.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Liberalism, Conservatism.	15
II	Post Modernism, Communitarianism	15
III	Feminism, Multiculturalism	15
IV	Ecologism, End of Ideology, End of History	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Sir, I. Berlin, Does Political Theory Still Exist? In Philosophy, Politics and Society, 2nd series, ed. P. Laslett and W.G. Runciman, Oxford, Blackwell, 1964.
2. A.Cobban, 'The Decline of Political Theory,' Political Science Quarterly, 1953, LXVIII, pp. 321-337.
3. Dobson, Green Political Thought, London, Unwin Hyman, 1990.
4. D. Easton, The future of the postbehavioural phase in political science, in Contemporary Empirical Political Theory, K. R. Monroe (ed.), Berkeley, University of California Press, 1997.
5. F. Fukuyama, The End of History and the last Man, Harmondsworth, Penguins, 1992.
6. D. Germino, Beyond Ideology: The Revival of Political Theory, New York, Harper and Row, 1967.
7. R. E. Goodin, Green Political Theory, Cambridge, Polity Press, 1992.
8. A.Hacker, Political Theory: Philosophy, Ideology and Science, New York, Macmillan, 1961.
9. D. Held, Political Theory Today, Cambridge, Polity Press, 1991.
10. A.Heywood, Political Theory: An Introduction, London, Macmillan, 1999.
11. S. Mulhall and A. Swift, Liberals and Communitarians, Oxford, Basil Blackwell, 1992.
12. G.H. Sabine, What is Political Theory?, Journal of Politics, 1939, 1(1).
13. L. Strauss, What is Political Philosophy and Other Studies? Glencoe, The Free Press, 1959.
14. R. J. Bernstein (ed.), Habermas and Modernity, Cambridge, Polity Press, 1985.
15. S. Benhabib, The Reluctant Modernism of Hannah Arendt, Thousand Oaks California, Sage, 1996.
16. R. Grant, Oakeshott, London, Claridge Press, 1990.
17. N. P. Barry, Hayek's Social and Economic Philosophy, London, Macmillan, 1979.
18. E Butler, Hayek : His Contribution to the Political and Economic Thought of Our Time, Hounslow, Temple Smith, 1983.
19. C. Kukathas, Hayek and Modern Liberalism, Oxford, The Clarendon Press, 1989.
20. J. Wolff (ed.), Robert Nozick : Property, Justice and the Minimal State, Oxford Polity with Basil Blackwell, 1991.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester IV (CC 12)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	Comparative Politics-II		
Course Code	M24-POL 402		
Course Type	CC-12		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Compare and assess the role of political elites, political parties and pressure groups in different political systems. CLO 2: Develop a thorough understanding of the electoral systems and processes prevalent in different countries across the world. CLO3: Become familiar with the concepts and functioning of Rule of law, judicial review and bureaucracy in various political systems. CLO4 : Understand various theories of change and social Movements		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Political Elites, Party Systems, Pressure Groups.	15
II	Electoral Systems & Electoral Processes, Separation of Powers and Checks and Balances.	15
III	Rule of Law, Judicial Review, Bureaucracy- Roles and Problems.	15
IV	Theories of Social Change, Social and New Social Movements.	15
Total Contact Hours		60

Evaluation Methods


Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


 Chairperson
 Dept. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. G.A. Almond and J.S. Coleman, *The Politics of the Developing Areas*, Princeton NJ, Princeton University Press, 1960.
2. G.A. Almond, and S. Verba, *The Civic Culture : Political Attitudes and Democracy in Five Nations*, Princeton NJ, Princeton University Press, 1963.
3. G.A. Almond, *Comparative Politics Today : A World View*, 7th edn., New York, London, Harper/Collins, 2000.
4. D.E. Apter, *The Politics of Modernization*, Chicago, University of Chicago Press, 1965.
5. A. Bebler and J. Seroka (eds.), *Contemporary Political Systems: Classifications and Typologies*, Boulder Colorado, Lynne Rienner Publishers, 1990.
6. L.J. Cantori and A.H. Zeigler (ed.), *Comparative Politics in the Post-Behaviouralist Era*, London, Lynne Rienner Publisher, 1988.
7. O. Dunleavy and B.O' Leary, *Theories of Liberal Democratic State*, London, Macmillan, 1987.
8. R. Hauge and M. Harrop, *Comparative Government and Politics. An Introduction*, 5th edn., New York, Palgrave, 2001.
9. H. Finer, *Theory and Practice of Modern Government*, London, Methuen, 1969.
10. J.C. Johari, *Comparative Political Theory: New Dimensions, Basic Concepts and Major Trends*, New Delhi, Sterling, 1987.
11. K. Kumar, *Revolution : The Theory and Practice of a European Idea*, London, Weidenfeld and Nicolson, 1971.
12. R.C. Macridis, *The Study of Comparative Government*, New York, Doubleday, 1955.
13. R.C. Macridis and R.E. Ward, *Modern Political Systems : Europe, and Asia*, 2nd edn. Englewood Cliffs NJ, Prentice Hall, 1968.
14. J. Manor (ed.), *Rethinking Third World Politics*, London, Longman, 1991.
15. R.C. Macridis, *Modern European Governments : Cases in Comparative Policy - Making*, Englewood Cliffs NJ, Prentice Hall, 1968.
16. L.W. Pey (ed.), *Communication and Political Development*, Princeton NJ, Princeton University Press, 1963.
17. R.I. Rotberg (ed.), *Politics and Political Change : A Journal of Inter-Disciplinary History Reader*, Massachusetts, MIT Press, 2001.
18. H.J. Wiarda (ed.), *New Developments in Comparative Politics*, Boulder Colorado, Westview Press, 1986.
19. Prabir De, *Comparative Politics*, Pearson, New Delhi, 2012.



Chairperson
Deptt. of Political Science
U. Kurukshetra-136119

M.A Political Science Semester IV (DEC6)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	India's Foreign Policy & Relations-II		
Course Code	M24-POL- 403		
Course Type	DEC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Identify the major areas of convergence and divergence between India and its big neighbours of Asian Region.</p> <p>CLO 2 Assess the nature of India's foreign policy towards its small neighbours.</p> <p>CLO 3: Examine the implications of relations of India with different regions and global and regional organizations.</p> <p>CLO 4: Develop the capacity to reflect upon the challenges of India's foreign policy and give insights on them.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	India's Relations with Big Neighbours – China and Pakistan	15
II	Relations with Small Neighbours – Bangladesh, Bhutan, Sri Lanka, Nepal	15
III	Relations with Different Regions and Associations – West Asia, Southeast Asia, Central Asian Republics. SAARC, ASEAN, NAM and UN.	15
IV	Major Challenges to Foreign policy – defence and Nuclear Policy, Human Rights, Cross Border Terrorism and Environmental Position, Assessment of Foreign Policy.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. R.S. Yadav, Bharat Ki Videsh Niti: Ek Vishleshan (in Hindi), Pearson, New Delhi, 2012.
2. R.S. Yadav & Suresh Dhanda, eds., India's Foreign Policy: Contemporary Trends, New Delhi, Shipra, 2009.
3. R.S. Yadav (ed.), India's Foreign Policy Towards 2000 A.D., New Delhi, Deep & Deep, 1993.
4. J.N. Dixit, Across Border: Fifty Years of India's Foreign Policy, New Delhi, 1999.
5. J. Bandhopadhyaya, The Making of India's Foreign Policy, Calcutta, Allied, 1979.
6. V.P. Dutt, India's Foreign Policy in a Changing World, New Delhi, Vikas, 1999.
7. N.K. Jha (ed.), India's Foreign Policy in a Changing World, New Delhi, South Asian Publishers, 2000.
8. H.Kapur, India's Foreign Policy : 1947-1993, New Delhi, Sage, 1994.
9. N. Jetley, India's Foreign Policy : Challenges and Prospects, New Delhi, JanakiPrakashan, 1985.
10. S. Mansingh (ed.), India's Foreign Policy in the 21st Century, New Delhi, Foreign Policy Institute, 1999.
11. R. Thakur, Politics and Economics of India's Foreign Policy, Delhi, Oxford University Press, 1993.
12. C. Raja Mohan, Crossing The Rubicon: The Shaping of India's New Foreign Policy, New Delhi, Viking, 2003.
13. N.S. Sisodia & C. Uday Bhaskar, eds., Emerging India: Security and Foreign Policy Perspective, New Delhi, Promilla, 2007.
14. Rajen Harshe & K.M. Seethi, eds., Engaging with the World: Critical Reflections on India's Foreign Policy, New Delhi, Orientlongman, 2005.
15. Anand Mathur & Sohanlal Meena, eds., India Profile in Polycentric World Order, Jaipur, RBSA, 2008.
16. Annpurna Nantiyal, ed., Challenges to India's Foreign Policy in the New Era, New Delhi, 2006.
17. Atish Sinha & Madhup Mahota, eds., Indian Foreign Policy: Challenges and Opportunities, New Delhi, Academic, 2007.
18. Anjali Ghosh & others, India's Foreign Policy, Pearson, New Delhi, 2012.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester IV (DEC 6)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	Political Sociology: The Indian Context-II		
Course Code	M24- POL- 404		
Course Type	DEC -6		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1 Acquire an in-depth knowledge of the concepts of Political Culture and Political Socialization in Indian Context. CLO 2: Understand the social and regional differentiation and their linkage with democracy in India. CLO3: Comprehend the role of Political Parties, Pressure Groups and Interest Groups in Society and Politics of India. CLO4: Develop a capability to critically analyze the causal factors of political dissent and protests in India.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Political Culture – Meaning, Nature and Types, Political Culture in India, Political Socialization in India: Leadership, Masses and Social Mobility, State Power	15
II	Social Differentiation and Democracy in India: Ethnic, Communal, Language and Regional Differentiations; The Rural-Urban Divide. Socio-Cultural Ethos; Social Change in India – Sanskritization, Westernization and Secularization, Tradition and Modernity, Post-Modernity.	15
III	Society, State and Politics in Contemporary India; Regionalization of Politics; Role of Political Parties; Pressure Groups and Interest Groups.	15
IV	Forms of Political Dissent and Protest, Terrorism and Politics of Violence, Role of Clergy in Politics; Role of Foreign Elements Influencing the Society, State and Politics. NGO's – Role, Function and Limitations	15
Total Contact Hours		60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-I Learning Resources

Recommended Books/e-resources/LMS:

1. G.A. Almond and S. Verba, The Civic Culture, Princeton NJ, Princeton University Press, 1963.
2. S. Bayly, Caste, Society and Politics in India from the Eighteenth Century to the Modern Age, Cambridge, Cambridge University Press, 1999.
3. R. Bendix, and S.M. Lipset, Class, Status and Power, 2nd edn., New York, The Free Press, 1966.
4. P.R. Brass, Caste, Faction and Party in Indian Politics, Vols. 2, Delhi, Chankya Publication, 1984-85.
5. P.R. Brass, Ethnicity and Nationalism: Theory and Comparison, New Delhi, Sage, 1991.
6. R.E. Dawson and K. Prewitt, Political Socialization, Boston, Little Brown, 1969.
7. A.R. Desai, State and Society in India: Essays in Dissent, Bombay, Popular, 1974.
8. M. Galanter, Competing Equalities : Law and the Backward Classes in India, Berkley, University of California Press, 1983.
9. M. Janowitz, Political Conflict: Essays in Political Sociology, New York, New Viewpoints, Watts, 1970.
10. R. Kothari, Caste and Politics in India, New Delhi, Orient Longman, 1970.
11. R. Kothari, Politics in India, New Delhi, Orient Longman, 1970.
12. R. Kothari, Democratic Polity and Social Change in India, Delhi, Allied, 1976.
13. A.Kumar (ed.), National-Building in India: Culture, Power and Society, New Delhi, Radiant Publishers, 1999.
14. L.Milbrath, Political Participation, Skokie Illinois, Rand-McNally, 1965.
15. T.K. Oomen, Protest and Change: Studies in Social Movements, New Delhi, Sage, 1990.
16. D. Sheth, "Caste and Class : Social Reality and Political Representation" in V.A. PaiPanadikar and A. Nandy (eds.), Contemporary India, Delhi, Tata McGraw Hill, 1999.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester IV (DEC 6)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	Government & Politics of USA-II		
Course Code	M24-POL- 405		
Course Type	DEC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Comprehend the nature and functioning of political parties in USA CLO 2: Understand the dynamics of Pressure Group politics in USA CLO 3: Develop a deeper understanding of bureaucracy, media and voting behavior in USA. CLO 4: Understand the functioning of state and local level administration in USA.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Political Parties: Nature, Principles, Working & Role in US System.	15
II	Pressure Groups: Working, Nature, Composition & Role.	15
III	Public Opinion, Bureaucracy, Media, Voting Behaviour.	15
IV	State Legislative and Administrative Setup and Local Administration in the USA.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Shafter, Political Parties and the State, 1994.
2. Fowler, Linda, Candidates, Congress, and the American Democracy, 1993.
3. Torres-Gill, The New Aging: Politics and Change in America, 1992.
4. Galbraith, J. The Culture of Contentment, 1992.
5. Wald, Kenneth, Religion and Politics in the United States, 1992.
6. Updike, John. Memories of the Ford Administration, 1992.
7. Hartz, Louis, The Liberal Tradition in America, 1991.
8. Jacobson, Gary, The electoral origins of divided government, 1990.
9. Maisel, Louis, The Parties Respond: Changes in the American Party System, 1990.
10. Weisbrot, Freedom Bound: A History of America's Civil Rights Movement, 1990.
11. Adoni, Hanna, Social Conflict and Television News, 1990.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

MA Political Science Semester IV (DEC 6)

Session: 2025-2026

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	Ancient Indian Political Thought-II		
Course Code	M24-POL -406		
Course Type	DEC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Understand the political thought of Valmiki and Vyasa. CLO2: Comprehend the political philosophy of Brahaspati, Shantiparva and Kamandaka Nitisara. CLO3: Comprehend the theories of the origin of state. CLO 4: Develop an understanding of ancient forms of Government (Republic & Kingship).		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Valmiki and Vyasa, Shukra.	15
II	Brahaspati, Shantiparva; Kamandaka Nitisara.	15
III	Theories of the origin of state: Theory of property, family and Varna regarding the origin; the contract theory; Vedic popular assemblies; Sabha, Samiti, Gana & Vidatha, Kautilya's Saptanga and Mandala Theory.	15
IV	Republics (tribal and oligarchal republics, nature of republican administration) and Kingship (forms & types: Divine theory, training of the Prince, Functions of the King, Limitation on Monarchy.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. A.S. Altekar, State and Government in Ancient India, Delhi, MotilalBanarsidass, 1966.
2. D.R. Bhandarkar, Some Aspects of Ancient Hindu Polity, Varanasi, Banaras Hindu University, 1963.
3. U.N. Ghoshal, A History of Hindu Political Theories, Calcutta, Oxford University Press, 1966.
4. R.P. Kangle, Kautilya's Arthashastra, Bombay, University of Bombay, 1972.
5. R.K. Mukherji, Local Government in Ancient India, Oxford, Oxford University Press, 1920.
6. B.Prasad, The State in Ancient India, Allahabad, University of Allahabad, 1960.
7. C.Radhakrishna, Kautilya's Political Ideas and Institutions, Varanasi, Chowkhamba Sanskrit Series Office, 1971.
8. B.A. Saletroe, Ancient Indian Political Thought and Institutions, Bombay, University of Bombay, 1963.
9. R. Shamasastri, Evolution of Indian Polity, Calcutta, 1920.
10. J.P.Sharma, Republics in Ancient India, London, Leiden E.J., Brill, 1968.
11. R.S. Sharma, Aspects of Political Ideas and Institutions in Ancient India, Delhi, 1959.
12. J. Spellman, The Political Theory of Ancient India, Oxford, The Clarendon press, 1964.
13. V.P. Varma, Studies in Hindu Political Thought and Its Metaphysical Foundations, Dehli, Motilal Banarsidass, 1974.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester IV (DEC 7)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	International Law-II		
Course Code	M24-POL 407		
Course Type	DEC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Comprehend the meaning and effects of war and settlement of international disputes. CLO 2: Understand the significance of the laws of war and legality of instruments of warfare. CLO 3: Understand war crimes: treatment of POWs: rights and duties of neutral states. CLO 4: Understand various laws with regard to outer space and sea.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

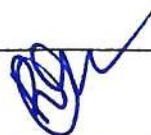
Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	War and its effects; Enemy Character; Means for Settlement of Disputes – Amicable and Coercive.	15
II	Laws of War – Land, Aerial and Maritime Warfare, Legality of Instruments of Warfare.	15
III	Termination of War, Treatment of POWs, War Crimes, Prize Courts. Neutrality – Definition, Status, Rights and Duties, Blockade and Contraband.	15
IV	Cooperative Law – Laws of Sea, Laws of Outer Space and Environmental Conferences.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Brownline, Principles of Public International Law, Oxford, Clarendon Press, 1973, Second Edition.
2. C.G. Fenwick, International Law, Bombay, Vakils, 1971.
3. J.G. Starke, An Introduction to International Law, London, Butterworths, 1972.
4. P.E. Corbett, Law and Diplomacy, Princeton NJ, Princeton University Press, 1959.
5. K. Deutsc and S. Hoffman (ed.), The Relevance of International Law, Oxford, Clarendon Press, 1955.
6. L. Duguit, Law in the Modern State, New York, B.W. Huebsch, 1919.
7. W. Friedmann, The Changing Structure of International Law, New York, Columbia University Press, 1964.
8. H. Kelsen, Principles of International Law, New York, Rinehart and Co., 1952.
9. J. Mattern, Concepts of State, Sovereignty and International Law, Baltimore, Johns Hopkins Press, 1928.
10. L. Oppeheimer, International Law Vol. 1, 1969, Revised edn., Vol II, 1953.
11. J. Stone, Legal Controls of International Conflict, New York, Rinehart and Company, 1954.
12. C. de Visscher, Theory and Reality in Public International Law, Princeton NJ, Princeton University Press, 1957.
13. Sir J.F. Williams, Aspects of Modern International Law, New York, Oxford University Press, 1939.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester IV (DEC7)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	State Politics in India (with special reference to Haryana) -II		
Course Code	M24-POL 408		
Course Type	DEC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the importance of Regionalism and Regional parties in India. CLO 2: Analyse the concept of state autonomy and develop an understanding of the Centre - State relations in India. CLO 3: Understand the powers and functions of the Governor and politics of President's rule in the states. CLO 4: Gain insights into grassroots governance and the politics of defections in the Indian States.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Regionalism in India, Rise of Regional Parties – Causes and Impact on State Politics.	15
II	State Autonomy: Concept, Rajamannar Committee Report, Arguments for and Against State Autonomy. Centre-State Relations: Area of Conflict, Sarkaria Commission's Report.	15
III	Office of the Governor, Governor's Discretionary Powers, Politics of President's Rule in the States.	15
IV	Panchayati Raj System in India and Its Impact on State Politics, Politics of Party Splits and Merger.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. G. Austin, The Indian Constitution: Corner Stone of a Nation, Oxford, Oxford University Press, 1966.
2. A.Chanda, Federalism in India : A Study of Union-State Relations, London, George Allen &Unwin, 1965.
3. P.Chatterjee (ed.), States and Politics in India, Delhi, Oxford University Press, 1997.
4. A.Kohli, Democracy and Discontent : India's Growing Crisis of Governability, Cambridge, Cambridge University Press, 1991.
5. R. Kothari, Politics in India, New Delhi, Orient Longman, 1970.
6. I.Narain (ed.), State Politics in India, Meerut, MeenakshiParkashan, 1967.
7. S. Pai, State Politics : New Dimensions : Party System, Liberalization and Politics of Identity, Delhi, 2000.
8. PremChoudhary, Punjab Politics - The Role of Sir Chhotu Ram, Delhi, Vikas, 1984.
9. S.C. Mittal, Haryana : A Historical Perspective, New Delhi, Atlantic Publishers, 1986.
10. K.C. Yadav, HayanaKaltihis, 3 Volumes, New Delhi, Macmillan India Ltd., 1981.
11. P.D. Sharma, Legislative Elite in India : A Study in Political, Socialization, Kurukshetra, Vishal, 1984.
12. Ramesh Kumar, Regionalization of Politics in India, New Delhi, Mohit Publication, 1996.
13. Harinder K. Chhabra, State Politics in India, Delhi, Surjeet Publications, 1980.
14. B.L. Fadia, State Politics in India, Vol I & II, New Delhi, Radiant Publishes, 1984.
15. O.P. Goel, Caste and Voting Behaviour, New Delhi, Ritu Publishers, 1981.
16. Subhash C. Kashyap, The Politics of Defection - A Study of State Politics in India, Delhi, National Publishing House, 1969.
17. S.Y. Qureshi, Haryana Rediscovered, Gurgaon, Indian Documentation Service, 1985.
18. T.R. Sharma (ed.), New Challenges of Politics in Indian States, New Delhi, Uppal Publishing House, 1985.
19. P. Choudhary, The Veiled Women : Shifting Gender Equations in Rural Haryana 1880-1990, Delhi, Oxford University Press, 1994.
20. Other Readings : Journal of Haryana Studies, Kurukshetra University Research Journal of Arts and Humanities.



Chairperson
Deptt. of Political Science
Kurukshetra-136119

M.A Political Science Semester IV (DEC 7)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	USA and the World-II		
Course Code	M24-POL- 409		
Course Type	DEC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Assess the role of US during major crises during the cold war. CLO2: Develop a thorough understanding of US stance towards disarmament measures in the world. CLO 3: Understand the US strategy towards the economic regimes like IBRD, IMF, GATT and WTO. CLO 4: Familiarize themselves with the US role in peace keeping operations, collective security and human rights.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Role of USA in Major Global Crises: Cuban, Korean, Arab-Israel, Kashmir.	15
II	USA and Arms Control & Disarmament.	15
III	USA's role in Global Economic Regimes: IBRD, IMF, GATT & WTO, Globalization & Hegemony and discrimination in New World Order.	15
IV	USA and Issues of War and Peace: Peace Keeping, Humanitarian Interventions, Collective Security, Pre-emptive Attacks, Human Rights Concerns.	15
Total Contact Hours		60

Evaluation Methods

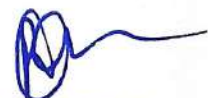
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Dennis Kux, India and the United States, Estranged Democracies, 1941-1991 (National Defense University Press, Washington, 1992).
2. Dennis Kux, The United and Pakistan, 1947-2000: Disenchanted Allies (John Hopkins University Press, Baltimore, 2001).
3. Strobe Talbott, Engaging India: Diplomacy, Democracy and the Bomb (Penguin, 2004).
4. KanishkvanSathasivam, Uneasy Neighbors: India, Pakistan and US Foreign Policy (Ashgate Publication, Burlington, Vt., 2005).
5. John Spanier and Steven Hook, American Foreign Policy Since World War II (13thEd., Washington, D.C., Congressional Quarterly Press, 1995).
6. James David Meernik, The Political Use of Military Force in US Foreign Policy (Ashgate Publications, Burlington, VT., 2004).
7. Margaret P., Karns and Karen A. Mingst, eds., The United States and Multilateral Institutions(Boston, Unwin Hyman, 1990).
8. Bruce W., Jentleson, American Foreign Policy: The Dynamics of Choice in the 21stCentury (New York, W.W., Norton, 2000).
9. Robert Wirsing, Kashmir in the Shadow of War: Regional Rivalries in Nuclear Age (Spring Books, India, 2004).



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester IV (DEC 7)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	Modern Indian Political Thought-II		
Course Code	M24-POL 410		
Course Type	DEC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Have an analytical view about Gandhian thought. CLO 2: Understand and explain the concepts of communism in Indian context. CLO3: Learn about concepts of party less democracy, social movement and non-violence. CLO4 : Comprehend the ideas of Ambedkar and Periyar.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Gandhi; VinobaBhave.	15
II	M.N. Roy; Rajni Palme Dutt.	15
III	Ram ManoharLohia; Jai Prakash Narayan.	15
IV	Ambedkar; Periyar.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. A. Appadorai, Indian Political Thinking Through the Ages, Delhi Khanna Publishers, 1992.
2. J. Bandhopahdyaya, Social and Political Thought of Gandhi, Bombay, Allied, 1969.
3. R.J. Cashman, The Myth of 'Lokmanya' Tilak and Mass Politics in Maharashtra, Berkeley, University of California Press, 1975.
4. S.Ghose, Socialism, Democracy and Nationalism in India, Bombay, Allied Publishers, 1973.
5. S. Ghose, Modern Indian Political Thought, Delhi, Allied, 1984.
6. J.P. Haitheox, Communism and Nationalism in India : M.N. Roy and Comintern Policy, Princeton NJ, Princeton University Press, 1971.
7. R. Iyer, The Moral and Political Thought of Mahatma Gandhi, Delhi, Oxford University Press, 1973.
8. K.N. Kadam (ed.), Dr. B.R. Ambedkar, New Delhi, Sage, 1992.
9. K.P. Karunakaran, Indian Politics from DababhaiNaoroji to Gandhi : A Study of Political Ideas of Modern India, New Delhi, Gitanjali, 1975.
10. U. Kaura, Muslims and Indian Nationalism, New Delhi, Manohar, 1977.
11. R.M. Lohia, Marx, Gandhi and Socialism, Hyderabad, Nav Hind, 1953.
12. V.R.Mehta, Foundations of Indian Political Thought, New Delhi, Manohar, 1992.
13. V.S. Narvane, Modern Indian Thought, New Delhi, Orient Longman, 1978.
14. D.P. Roy, Leftist Politics in India : M. N. Roy and the Radical Democratic Party, Calcutta, Minerva, 1989.
15. V.P. Verma, Modern Indian Political Thought, Agra, Lakshmi NarainAggarwal, 1974.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester IV (DEC 8)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	International Organization and Global Order Studies-I		
Course Code	MA24- POL-411		
Course Type	DEC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Analyze the various approaches related to International Organization. CLO 2: Understand the different world order models. CLO 3: Develop an analytical outlook with respect to the role of UNO in major global conflicts. CLO 4: Develop an understanding of the role of UN in the resolution of contemporary international issues.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Approaches to International Organization: Disarmament, Preventive Diplomacy, Grand Debate, Trusteeship and Functional Approaches to Peace.	15
II	International Organization and World Order Models: Assessment of World Order Models of Clark-Sohn, Richard Falk, Marxian, Mahatma Gandhi and Rajni Kothari.	15
III	UN and Major International Crises: Korean, Arab-Israel, Kashmir, Iraq	15
IV	UN & Contemporary Issues: Human Rights, Environment, Gender & Terrorism, Revision of UN Charter; Assessment of UN System.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Richard K. Ashley, "The Eye of Power : The Politics of World Modelling," International Organization, Vol. 37, No. 3, 1983.
2. Inis Claude, Changing United Nations, New York, Random House, 1967.
3. Inis Claude, Swords into ploughshares : The Problems and Progress of International organisations, New York, Random House, 1971.
4. S.J.R. Bilgrami, International Organisation, New Delhi, Vikas, 1971.
5. E. Laurd, A History of the United Nations, London, Macmillan, 1989.
6. R.C. Angell, The Quest for World Order, Ann Arbor, University of Michigan Press, 1979.
7. A.L. Bennett, International Organizations : Principles and Issues, Englewood Cliffs NJ, Prentice Hall, 1977.
8. H.G. Nicholas, The UN as a Political Institution, Oxford, Oxford University Press, 1975.
9. W.H. Lewis (ed.), The Security Role of the United Nations, New York, Praegar, 1991.
10. Ronald Meltzer, "Restructuring the UN System, Institutional Reform, Efforts in the Context of North-South Relations," International Organization, vol. 32, No. 4, 1978.
11. Ronald Yalem, "Conflicting Approaches to World Order," Alternatives, Vol. 5, 1979- 1980.
12. P. Baehr and L. Gordenker, The United Nations in the 1990s, London, Oxford University Press, 1992.
13. Rikhey, Strengthening UN Peace keeping, London, Hurst and Co., 1993.
14. K. P. Saxena, Reforming the United Nations : The Challenge and Relevance, New Delhi, Sage, 1993.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

MA Political Science Semester IV (DEC 8)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	Democracy in India-II		
Course Code	M24-POL- 412		
Course Type	DEC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the challenges arising in Indian democracy due to caste, class, language, religious and regional diversities.</p> <p>CLO 2: Develop an understanding of grassroots politics and the role of social movements in Indian democracy.</p> <p>CLO 3: Comprehend the nature of coalition politics, ruralisation of politics, and politics of peripheral groups.</p> <p>CLO 4: Develop a capacity to critically analyse Indian politics and know about emerging trends in Indian democracy.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Socio-Economic Determinants of Indian Democracy: Caste, Class, Language, Religion and Region. Poverty – Policies and Programmes of its alleviation. Legislative Behaviour; Parliamentary Vs. Presidential Model, Majoritarian Vs. Representational Parliamentary System	15
II	Indian Democracy at Grass Root Level: Urban and Rural Local Government. Social and Protest Movements in India; Social Movement and the Democratic Process, Politics of Gender Issue, Role of Women in Political Process, Dalit Politics.	15
III	Coalition Politics: Nature and Bases, Experiment of Coalition Government in India, Ruralization of Politics in India, Politicization of Peripheral Groups	15
IV	Politics of Agitation cum violence in India, Problems of Nation Building and National Integration. Criminalization of Politics, Emerging Trends and Future of Democracy in India.	15
Total Contact Hours		60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ol style="list-style-type: none"> 1. P. Brass, The Politics of India Since Independence, 2nd edn., Cambridge, Cambridge University Press, 1994. 2. N. Chandhoke, Beyond Secularism : The Rights of Religious Minorities, Delhi, Oxford University Press, 1999. 3. P. Chatterjee (ed.), States and Politics in India, Delhi, Oxford University Press, 1997. 4. N. Jayal (ed.), Democracy in India, Delhi, Oxford University Press, 2001. 5. Kohli, Democracy and Discontent : India's Growing Crisis of Governability, Cambridge, Cambridge University Press, 1990. 6. Kohli (ed.), The Success of India's Democracy, Cambridge, Cambridge University Press, 2001. 7. R. Kothari, Politics in India, Delhi, Orient Longman, 1970. 8. S. Kothari, Social Movement and the Redefinition of Democracy, Boulder Colorado, Westview Press, 1993. 9. W. H. Morris-Jones, Politics Mainly Indian, Delhi, Orient Longman, 1978. 10. S. Mukherjee, 'Relating Parliamentary Democracy in India,' Denouement, 9, January- February, 1999. 11. J. K. Ray, Indian in Search of Good Governance, Calcutta, K.P. Bagchi, 2001. 12. M.N. Srinivas, Social Change in Modern India, Bombay, Allied Publishers, 1966. 13. Varshney (ed.), The Indian Paradox: Essays in Indian Politics, New Delhi, Sage, 1989. 			



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

M.A Political Science Semester IV (DEC 8)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	USA and Asia Pacific		
Course Code	M24-POL- 413		
Course Type	DEC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Analyse the US interest in the Asia-Pacific region. CLO 2: Develop a thorough understanding about the US policy towards South East Asian Nation states. CLO 3: Explain and assess the US stance towards south East Asian nations in the Asia-Pacific region. CLO 4: Understand the US security concerns in the Asia-Pacific region and American response towards these concerns.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	US interest in Asia-Pacific: Traditional and Contemporary	15
II	US Policy Towards South East Asian States	15
III	US Policy Towards South East Asian States	15
IV	US Security Concern in Australia & New Zealand and Challenges and Problems in Asia Pacific and American Response.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Chronis Polychroniou. "Rise and Fall of US Imperialism" Economic and Political Weekly 30, no. 30 (July 29, 1995),
2. Andrew Bacevich, An American Empire (Cambridge, MA: Harvard University Press, 2002).
3. Charles Kupchan, The End of the American Era: US Foreign Policy and the Geopolitics of the Twenty-First Century (New York: Knopf, 2002),
4. Chalmers Johnson, Blowback: The Costs and Consequences of American Empire (New York: Metropolitan Books, 2000),
5. C. George Herring, America's Logest War: The United States and Vietnam, 1950- 1975 (New York: McGraw, 1996).
6. Antony, Cordesman, The Iraq War (Washington, DC: Center for Strategic and International Studies, 2003).
7. Coulon, Jocelyn, Soldiers of Diplomacy: The United Nations, Peacekeeping and the New World Order (Toronto: University of Toronto Press, 1998).
8. Ignatieff, Michael, Virtual War: Kosovo and Beyond (New York: Holt, 2000).
9. Safran, Nadav, From War to War: A Study of the Arab-Israel Confrontation 1948-97 (New York: Pegasus, 1969).
10. R.A. Cossa, Restructuring the US-Japan Alliance, Washington DC, CSIS Press, 1997.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

M.A Political Science Semester IV (DEC 8)

Session: 2025-26

Part A - Introduction

Name of Programme	Political Science		
Semester	IV		
Name of the Course	Recent Trends in Liberalism		
Course Code	M24-POL- 414		
Course Type	DEC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the ideas of liberal democrats and egalitarians. CLO 2: Develop a deeper understanding of the theory of Libertarianism. CLO 3: Comprehend the ideas of Communitarian liberals. CLO 4: Develop the skills to critically analyze liberal theories.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Liberal Democrats and Egalitarians: C.B. Macpherson, Isaiah Berlian, Rawls, Dworkin.	15
II	Libertarian: Hayek, Nozick.	15
III	Communitarian Liberals: Walzer, Charles Taylor.	15
IV	Recent Critics of Liberalism: Post Modernist, Feminist and Marxist; Emerging Trends in Liberalism.	15
Total Contact Hours		60

Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		


Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. A. Arblaster, The Rise and Decline of Western Liberalism, Oxford, Blackwell, 1984.
2. R. Bellamy (ed.), Victorian Liberalism : Nineteenth Century Political Thought and Practice, Cambridge, Polity Press, 1990.
3. Z. Brzezinski and Staff of the Research Institute of International Change (eds.), The Relevance of Liberalism, Boulder Colorado, Westview Press, 1978.
4. N.Daniels (ed.), Reading Rawls, New York, Basic Books, 1975.
5. M.Freeden, The New Liberalism, Oxford and New York, Oxford University Press, 1978.
6. J. Gray, Liberalism, Delhi, World View, 1998.
7. A.J. Manning, Liberalism, London, John Dent& Sons, 1976.
8. J. Rawls, Political Liberalism, New York, Columbia University Press, 1993.
9. J. Rawls, The Law of Peoples: The Idea of Public Reason Revisited, Cambridge Massachusetts, Harvard University Press, 1999.
10. F.H. Watkins, The Age of Ideology - Political Thought from 1750 to the Present, New Delhi, Prentice Hall, 1961.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

MA Political Science Semester IV (EEC)

Session: 2025-2026			
Part A - Introduction			
Name of Programme	Political Science		
Semester	IV		
Name of the Course	Academic Leadership		
Course Code	M24-POL -415		
Course Type	EEC		
Level of the course	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	After completing this course, the learner will be able to: CLO 1: Understand the core concepts, scope, and philosophical foundations of academic leadership. CLO 2: Analyse various leadership styles and their relevance in academic settings. CLO 3: Evaluate the role of values, ethics, and cultural responsibility in academic leadership. CLO 4: Apply the principles of academic leadership to practical scenarios involving mentorship, institution-building, and community engagement.		
Credits	Theory	Tutorial	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The question paper will consist of 9 questions in all, two questions from each unit and one compulsory question, set with due consideration to the Course Learning Outcomes (CLOs). Question No. 1 will be compulsory and shall comprise at least 7 very short answer questions covering the entire syllabus. Candidates will be required to attempt a total of 5 questions, selecting one question from each unit in addition to the compulsory question. Each question shall carry 7 marks, making the maximum marks for the paper 35.

Unit	Topics	Contact Hours
I	Concept and Foundations of Academic Leadership: Meaning, scope, and need for academic leadership in higher education; Distinction between leadership and administration; Leadership as Seva (service), Dharma (duty), and Dayitva (responsibility) towards society.	7
II	Leadership Styles and Relevance: Acharya Chanakya, Madan Mohan Malviya and Ravindra Nath Tagore; Leadership for discipline, character formation, and student guidance; Balancing authority with responsibility in academic settings.	8
III	Values, Ethics, and Cultural Responsibility: Integrity, accountability, and truthfulness in leadership; Academic leadership as custodian of culture and knowledge traditions; Ensuring inclusivity and social harmony;	7


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

	Responsibility towards preservation of Bharatiya Gyan Parampara and national identity.	
IV	Practice of Academic Leadership: Teacher as role model and guide in character-building; Classroom management, mentorship, and student motivation; Leadership in co-curricular, community, and nation-oriented activities; Academic leadership as a force for unity, discipline, and cultural pride.	8
Total Contact Hours		30
Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory: 35
• Class Participation:	4	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	4	
• Mid-Term Exam:	7	

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Mishra, L. (Ed.). (2024), Academic Leadership in Higher Education in India: Needs, Issues, and Challenges: Routledge India.
2. Harris, J., Lane, J. E., Sun, P., & Baker, E. T. (2012), Academic Leadership and Governance of Higher Education: A Guide for Trustees, Leaders, and Aspiring Leaders: Stylus Publishing.
3. Sharma, A. (2024), Leadership Styles and Their Impact on Organizational Effectiveness in Academia (Chapter in collection).
4. Mendonca, M., & Kanungo, R. (2006), Ethical Leadership: Sage Publications.
5. Cager, B. E., Haas, L., Tussey, J., & Burke, M. (2023), Culturally Responsive Leadership for Social Justice and Academic Equity: Routledge.
6. Newman, A. (2024), Building Leadership Character: Sage Publications.
7. Haydon, G. (2007), Values for Educational Leadership: SAGE Publications.
8. Branson, C., & Gross, S. J. (Eds.). (2021), Handbook of Ethical Educational Leadership: Routledge.
9. Harter, N. W. (2024), Cultural Dynamics and Leadership: An Interpretive Approach: Cambridge University Press.
10. Bolman, L. G. (2016), Reframing Academic Leadership: Jossey-Bass.
11. Oltman, G., & Bautista, V. (2024), What's Your Leadership Story?: A School Leader's Guide to Aligning How You Lead with Who You Are: Corwin Press.
12. Sousa, M. J., et al. (2024), New Research on Leadership Styles and Performance: Nova Science Publishers.


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Scheme of Semester-4 when a student opts for Dissertation Work or Project Work

**M.A. Political Science Semester IV
Dissertation or Project work**

Session: 2025-26		
Part A – Introduction		
Name of Programme	MA Political Science	
Semester	IV	
Name of the Course	Dissertation/Project work	
Course Code	M24-POL-416	
Course Type	Dissertation / Project work	
Level of the course	500-599	
Pre-requisite for the course (if any)	N A	
CC 11	M24-POL-401	Political Theory - II
DEC 6	M24- POL-403	India's Foreign Policy and Relations-II
	M24- POL- 404	Political Sociology: The Indian Context-II
	M24 POL-405	Government & Politics of USA-II
	M24 POL-406	Ancient Indian Political Thought-II
EEC	M24-POL-415	Academic Leadership

#Detailed syllabus of above papers is mentioned in respective sections.


14.10.25
Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

DISSERTATION

(Note: If A Candidate Is Offered Dissertation Course, Then He/ She Will also Study CC-11, Dec-4 & EEC From Above Courses of Semester4)

4	Dissertation/ Project Work	M24- POL- 410	Dissertation/ Project Work	D	12	26	0	0	0	-	0	300	300	-
---	----------------------------------	---------------------	----------------------------------	---	----	----	---	---	---	---	---	-----	-----	---

Course Learning Outcomes (CLO)

Students will be able to

CLO 1: Formulate a focused research question and design a robust, methodologically sound investigation to address it.

CLO 2: Employ appropriate experimental, analytical, or related techniques to collect, analyze, and interpret the data effectively.

CLO 3: Critically evaluate research findings in light of existing theories, and communicate results clearly through well-structured scientific writing and presentations.

CLO 4: Exhibit independence, time management, and scientific integrity throughout the research process, while responding thoughtfully to feedback and defending.

Description

I Each student is required to undertake a research project in a relevant area of Defence & Strategic Studies. The outcome of this research will be compiled into a dissertation and submitted for evaluation at the end of the semester. Students will also present their dissertation before an external examiner. Both internal and external assessments of the project and training will be conducted as per the prescribed evaluation criteria.

Assessment Structure

Internal Assessment:

- Submission of Dissertation.
- One Mid-Semester Progress Report and/or Presentation

External Assessment:

- Final Project Report (Dissertation)
- Viva-Voice Presentation before an External Examiner



Chairperson

Deptt. of Political Science

K.U. Kurukshetra-136119

Kurukshetra University, Kurukshetra
(Established by the State Legislature Act-XII of 1956)
("A++" Grade, NAAC Accredited)



Syllabus
for
Post Graduate Programme
MA Defence & Strategic Studies Semester III and IV

as per NEP 2020
Curriculum and Credit Framework for Postgraduate Programme

With Multiple Entry-Exit, Internship and CBCS-LOCF
With effect from the session 2025-26 (in phased manner)

DEPARTMENT OF POLITICAL SCIENCE
FACULTY OF SOCIAL SCIENCES

KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119

HARYANA, INDIA


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester III (CC-9)

Session: 2025-26			
Part A – Introduction			
Name of Programme	MA Defence & Strategic Studies		
Semester	III		
Name of the Course	Defence Economics-I		
Course Code	M24-DFS-301		
Course Type	CC-9		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand and explain defence economics by examining the theories of Adam Smith and Alexander Hamilton. CLO 2: Critically analyse the various economic impacts and controls in war. CLO 3: Evaluate the modern economic warfare and the complex process of defence budget making. CLO 4: Assess the effects and problems of war related with economy and expenditure.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics	Contact Hours	
I	Defence Economics: Meaning, Definition, Scope and Relevance; and The Economic Foundation of Military Power: Theories of Adam Smith and Alexander Hamilton.	15	
II	Economic Impacts of War. Economic Mobilization in War, War potential of a Nation (resources of war) - Natural, Physical, Industrial and Man power resources; and Economic control during war.	15	
III	Economic Warfare-Definition, Scope and Nature; Defence Budget: Definition, Scope, Determinants/Principles, Structure and Processes.	15	
IV	War and Peace Economy; Effect of War on National Economy (Problems of Inflation, Balance of Payment and Real Cost); and Economic Impact of Defence Expenditure.	15	
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70



 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- Aggarwal, A.N. (1966) Economic Mobilization for National Defence, Asia Publishing House.
- Aggarwal, R.K. (1978) Defence Production and Development, Arnold Heinmann Publisher.
- Clark, J.J. (1966) The New Economics of Nations Defence, Random House Publisher.
- Dutta, Meena & J.N. Sharma. (2005) Defence Economics, Deep & Deep Publications.
- Hatfield, Mark.O. (1971) The Economics of Defence, Praeger Publishers Newyork.
- Hitch, C.J. & R.N.Mckean. (1961) The Economics of Defence in the Nuclear age, Harvard University Press.
- Jack, D.T. (1940) Studies in Economic Warfare.P. S. King & Sons, London.
- Knorr, Klaus. (1978) War Potential of the Nations, Praeger Publishers Inc; New edition.
- Ludra, K.S. (1992) Understanding War: its implications and effects. K.S. Ludra Publisher.
- Pandey, S.P. Defence Economics Allahabad; Bhanumati Publication.
- Robbins, Lionel. (1947) The Economic Problems in War & Peace, Macmillan and Company Limited.
- Sandler, Todd & Keith Hartley. (1995) The Economics of Defense, Cambridge Univ Press.
- Singh, Jasjit. (2001) India's Defence Spending, KW Publishers Pvt Limited.
- Smith, Ron. (2009) Military Economics: The Interaction of Power and Money, Palgrave Macmillan.


 R. Omkar
 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester III (CC-10)

Session: 2025-26

Part A – Introduction

Name of Programme	MA Defence & Strategic Studies		
Semester	III		
Name of the Course	Psychological Dimensions of War		
Course Code	M24-DFS-302		
Course Type	CC-10		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to.	CLO 1: Understand and explain the Military psychology and various related factors. CLO 2: Analyse the role of psychological weapons their indoctrination, effect on humans and management. CLO 3: Have an in-depth knowledge of various psychological qualities and tools to maintain them with associate problems. CLO 4: Evaluate the various military traits, skills, character and leadership qualities and their significance.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Military Psychology-Definition, scope and significance during Peace and War; and psychological factors in Conventional, Nuclear, Biological and Chemical Warfare.	15
II	Psychological Weapons of War: Propaganda, Rumor and Indoctrination; and Emotional Problems and Adjustments during War and Peace. Fear and panic in war: Causes, Consequences and Management	15
III	Military Leadership: Meaning, Attributes, Importance and Role of Training; and Discipline: Definition, Purpose and Tools of Maintaining Discipline. War Neurosis (PTSD): Meaning, Causes, Symptoms and Effects.	15
IV	The Significance of Personality: Traits, Group-Behavior and Communication Skills in Armed Forces; and Motivation & Morale and their Relevance in the Armed Forces.	15
Total Contact Hours		60

Suggested Evaluation Methods

Internal Assessment: 30

End Term Examination: 70


 Chairperson
 Dept. of Political Science
 K.U, Kurukshetra-136119

➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- Bartlett, F.C. (2014) Psychology and the Soldier, Cambridge University Press.
- Baynes, John. (1967) Morale: A study of Men and courage, Praeger Pub.
- Boring. E.G. (Ed.) Psychology for the Armed Services, Natraj Publishers.
- Chibber, M.L. (1991) Military Leadership to Prevent Military Coup, New Delhi, Lancer International.
- Copeland, Norman. (2010) Psychology and the Soldier, Kessinger Publishing.
- Gupta, Ranjit Sen. (1994) Management of Internal Security, Lancer Publications, Pvt. Ltd.
- Hasnain, Qamar. (1967) Psychology for the fighting man, English Book Depot Publishing Company.
- Lienbarger, P.M.A. (1954) Psychological Warfare, Washington, D.C. Combat Press.
- Likert, Rensis & J.G. Likert (1976) New ways of managing conflict, New-York, MacGraw Hill Book Company.
- Maheshwari, Nidhi. (2013) Sainya Manovigyan (Military Psychology), Pointer Publishers.
- Maheshwari, Nidhi. (2021) Military Psychology: Concepts, Trends and Interventions, SAGE Publications Pvt. Ltd.
- Narain, Raj. (1979) Military Psychology, National Psychological Corporation 1st Edition.
- Nath, Rajender. (1990) Military Leadership in India form Vadic period to Indo-Pak War, Lancers Books.



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester III (DEC-3)

Session: 2025-26


Part A – Introduction

Name of Programme	MA Defence & Strategic Studies		
Semester	III		
Name of the Course	Area Studies-Pakistan		
Course Code	M24-DFS-303		
Course Type	DEC-3		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the military geography, geo-strategic significance and composition of Pakistan.</p> <p>CLO 2: Develop analytical insight into the role of the military in Pakistan's politics and determinants of its foreign/defence policy.</p> <p>CLO 3: Have an in-depth knowledge of major areas of conflict/cooperation between Pakistan and India with role of USA in Pakistan politics.</p> <p>CLO 4: Comprehend Pakistan's relations with its neighbours and assess the emerging manifestations of terrorism.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Military Geography of Pakistan- Its Geo-Strategic Significance; and Population, Composition, Languages and Characteristics of Major Ethnic Groups.	15
II	Pakistan's Politics and Role of Military; and Internal Security Factors in Pakistan. Determinants of Foreign and Defence Policy of Pakistan.	15
III	Areas of Conflict and Cooperation between India and Pakistan. and Role of United States of America in Pakistan's Politics.	15
IV	Pakistan's Relations with its Neighbours- China, Afghanistan and Iran; and Pakistan and Terrorism- The Emerging Manifestations.	15
Total Contact Hours		60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/I.MS:			
<ul style="list-style-type: none"> ● Barua, B.P. (1984) Politics and constitution-making in India and Pakistan, Deep & Deep Publications, New Delhi. ● Bhardwaj, K.K. (1999) Pakistan's March to Democracy and Liberalism, Anmol Publications. ● Burke, S. M. (1991) Pakistan's Foreign Policy: An Historical Analysis. Karachi: Oxford University Press. ● Chengappa, Bidanda M. (2004) Pakistan: Islamisation, army and foreign policy, A.P.H. Publications, New Delhi. ● Cohen, Stephen Philip. (1998) The Pakistan Army. London: Oxford University Press. ● Grover, Verinder & Ranjana Arora, (Eds.) (1998) 50 years of Indo-Pak relation, (3 Vols), Deep & Deep Publications, New Delhi. ● Sharma, Jai Parkash. (1987) Federal systems of India and Pakistan: A comparative perspective, Printwell Publishers. ● Jain, Jagdish P. (1974) China, Pakistan, and Bangladesh, Radiant Publishers. ● Kak, Kapil & Amitabh Matto. Happymon Jacob (Eds) (2007) India & Pakistan: Pathways Ahead, K W Publishers, New Delhi. ● Kanwal, Gurmeet. (2002) Pakistan's Proxy War, Lancer Publishers. ● Khan, Fazole Karim (1987) A Geography of Pakistan: Environment People & Economy. Karachi: Oxford University Press. ● Kumar, Jaswinder. (1989) Irritants in Indo-Pak relation, Deep & Deep Publications, New Delhi. ● Nawaz, Shuja. (2008) Crossed Sword- Pakistan, its Army, and the Wars within, Oxford University Press, New York. ● Shafqat, Saeed. (1998) Contemporary Issues in Pakistan Studies. Lahore: Azad Enterprises. ● Shafqat, Saeed. (1997) Civil-Military Relations in Pakistan. Lahore: Westview Press. ● Shafqat, Saeed. (1989) Political System of Pakistan and Public Policy. Karachi: Progressive Publishers. ● Singh, Rajvir. (1985) U.S.- Pakistan and India: Strategic relations, Chugh Publications, Allahabad. ● Sridharan, E. (2007) The India-Pakistan Nuclear Relationship: Theories of Deterrence and International Relations, Routledge. ● Vohra, Sahdev. (1998) Fifty Years of Pakistan, Intellectual book Corner, New Delhi. ● Zeb, Rizwan. & Suba Chandran (2005) Indo-Pak Conflicts, Cambridge University Press. 			



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester III (DEC-3)

Session: 2025-26


Part A – Introduction

Name of Programme	MA Defence & Strategic Studies		
Semester	III		
Name of the Course	Indian Ocean and India's Maritime Security		
Course Code	M24-DFS-304		
Course Type	DEC-3		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the geopolitical and strategic significance of the Indian Ocean with highlighting choke points and regional conflicts.</p> <p>CLO 2: Comprehend regional and extra regional powers interests in Indian ocean.</p> <p>CLO 3: Develop insights into India's strategic and economic interests and threat perception.</p> <p>CLO 4: Give in depth knowledge about Indian maritime capabilities and maritime security policy.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Geo-political, historical, economic and Strategic significance of the Indian Ocean. Strategic choke points, Regional conflicts in the Indian Ocean Region.	15
II	Interests of Regional States in the Indian Ocean with Particular reference to Pakistan and China. Extra-regional powers' interests and involvement in Indian Ocean.	15
III	India's Strategic perspective in Indian Ocean. India's Economic and Maritime interests in the Indian Ocean. India's Threat perceptions in Indian Ocean.	15
IV	India's maritime/ naval capabilities. India's maritime boundaries and Exclusive Economic Zone (EEZ); Coastal security architecture: Navy, Coast Guard, and Marine Police.	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

India's Maritime Security Policy (SAGAR doctrine, QUAD, and Indo-Pacific strategy).			
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ● Anand, R.P. (1978) Sea Law Conference-Caracas and beyond, Radiant Publishers. ● Bhasin, V.K. (1981) Super power rivalry in the Indian Ocean, S. Chand Pub. ● Braun, Dieter (1983) The Indian Ocean: Region of Conflict or Zone of peace, C. Hurst Pub. ● Brewster, David – (2011) India as an Asia Pacific Power, 1st edition, Part of: Routledge Security in Asia Pacific Series. ● Burrell and Cottrill (1972) Military, political and economic importance of the Indian Ocean. ● Chopra, Maharaj, K. (1982) India and the Indian Ocean. ● Chaudhary, Rahul Roy (2000) India's Maritime Security. Institute for Defence Studies & Analysis. ● Chaudhary, Rahul Roy (1999) Sea Power and Indian Security, Brassey's (UK) Ltd. ● Dowdy, W.L. and Trood R.B. (1986) The Indian Ocean: Perspective on Strategic Areas. Brown, ● Ewman and Ian Clark (1981) The Indian Ocean in Global Politics. ● Holmes, James R. & Yoshihara, Toshi (2010) Indian Naval Strategy in the Twenty-first Century, Routledge; 1st edition. ● Iyer, Nandhini (1986) India and the Indian Ocean. ● Kapila, Subhash (Ed.) – India's Maritime Security: Strategic Trends. ● Kaushik, Devendera (1972) The Indian Ocean towards a Zone of peace. ● Kohli, S.N. (1978) Sea Power in the Indian Ocean. ● Majeed Akhtar (Ed.) (1986) Indian Ocean; conflict & regional Co-operation. ● Martin, L.W. (1967) Sea in Modern Strategy, London: Chatto & Windus for the Institute for Strategic Studies. ● Misra, K.P. (1977) Quest for international order in the Indian Ocean. ● Misra, R.N. (1986) Indian Ocean and India's Security, Mittal Publications. ● Singh, K.R. (1974) Politics in the Indian Ocean, Thomson Press (India), Publication Division. ● Pannikar, K.M. (1945) India and the Indian Ocean, George Allen and Unwin; London. ● Poulouse, T.T. (1974) Power rivalry in the Indian Ocean. ● Sidhu, K.S. (1983) The Indian Ocean-A Zone of Peace, Harnam Publications. ● Singh, Bhupinder (1983) Indian Ocean; Regional Security. ● Sridharan, K. (1965) A Maritime History of India, Publications Division, Ministry of Information and Broadcasting. ● Toussaint, A. (1966) History of the Indian Ocean, Routledge & Kegan Paul PLC. 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester III (DEC-4)

Session: 2025-26

Part A – Introduction

Name of Programme	MA Defence & Strategic Studies		
Semester	III		
Name of the Course	Science & Technology in Relation to Warfare-I		
Course Code	M24-DFS-305		
Course Type	DEC-4		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the historical evolution and impact of science & technology on warfare. CLO 2: Have an in-depth knowledge of science & technology relevance for national security and its impacts on all dimensions of warfare. CLO 3: Examine and assess the dual use of critical technologies and their transfer, role and importance for India and impacts. CLO 4: Comprehend the growth and development of nuclear and space technology in India.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Impact of Science and Technology on society and warfare; and Relationship between Technology and Weapon Systems.	15
II	Relevance of Science and Technology in National Security. Impact of Emerging Technologies on Strategy and Tactics; and Military Technology and its Impact on Land, Sea and Air-Power.	15
III	Dual Use of Critical Technologies and its Impact on India's Security. International Inter-Dependence and role of MNCs in Transfer of Technology; and Political, Military and Economic Impact of Transfer of Technology.	15
IV	Growth and Development of Nuclear Power in India; and Growth and Development of Space Technology in India.	15
Total Contact Hours		60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/I.MS:			
<ul style="list-style-type: none"> ● Ahmed, Asif (Ed.) (2014) Science Technology and war, Twenty First Century Publisher. ● Baranwal, Jayant. (1983) S. P's Military year book: New Delhi, Guide Publishers. ● Deva, Yashwant. (1996) Dual-use of Information Technology (An Indo-centric Perspective): New Delhi, IDSA. ● Ericson, John. (1996) The Military Technical revolution: Its impact on strategy and foreign policy: New York, Frederic A. Praeger. ● Ghosh, C.N. (2011) Tomorrows War:21st Century Defence Strategies, Manas Publications. NewDelhi. ● Hart, David. (1983) Nuclear power in India, George Allen & Unwin. ● Khana, S.K. (1998) India: a Nuclear Power, Commonwealth Publishers. ● Lal, A.K. (2003) Space warfare and Military strategy. (An Indian Perspective): New Delhi, USI of India. ● Rajan, Y.S. (2001) Empowering India (with Economic, Business and Technology, Strengths for the twenty first century): New Delhi, Har Anand. ● Sen, S.K. (2000) Military Technology and Defence Industrialization: New Delhi, Manas Publishers. ● Siddhartha, K. (1999) Oceanography, A brief introduction 3rd edition: New Delhi, Kisalaya Publishers. ● Tellis, Ashley J. (2001) India's Emerging nuclear posture: Oxford, Oxford University Press. ● Tewari, V.M (1996) The High-Tech War of twentieth century, South Asia Books. ● Thee, Marek. (1986) Military technology, Military Strategy and Arms Race: London, Croom Helm. 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester III (DEC-4)

Session: 2025-26

Part A – Introduction

Name of Programme	MA Defence & Strategic Studies		
Semester	III		
Name of the Course	Study of Terrorism		
Course Code	M24-DFS-306		
Course Type	DEC-4		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand about the terrorism as a concept its types, causes and motivations. CLO 2: Comprehend the historical evolution of international terrorism and major international terrorist organisations. CLO 3: Develop the ability to critically analyse the strategies and measures to counter terrorism. CLO 4: Understand the impact of terrorism on national security and Indian anti-terror laws, also highlights related ethical and human rights issues.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Terrorism-Historical evolution, Concept, Types: Political, Religious, State-Sponsored, Left-wing, Right-wing, Narco-terrorism, Cyber-terrorism, Transnational. Difference between Terrorism, Insurgency, Guerrilla Warfare and Freedom Struggle, Causes and Motivations of Terrorism.	15
II	International Terrorism-Historical evolution and Major International Terrorist Organisations (Al-Qaeda, ISIS, Hamas, Hezbollah, Taliban, LTTE, Boko Haram etc.).	15
III	Strategies of Combating Terrorism: Counter-terrorism measures-National and International Legal frameworks, Intelligence Agencies and Their Role (RAW, IB, NIA, CIA, Mossad, ISI, MI6). Anti-terrorism measures-International Cooperation and Treaties: UNCTC, FATF, INTERPOL, NATO.	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

IV	Terrorism and National Security: India's Anti-Terrorism Laws: UAPA, AFSPA, NIA Act. Ethical and Human Rights Issues in Counter-terrorism.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> ● Byman, Daniel (2005) Deadly Connections: States that Sponsor Terrorism, UK: Cambridge University Press. ● Colarik, A. M. (2006) Cyber terrorism: political and economic implications, NewZealand: IGI Global. ● David J. Whittaker (Eds.) (2012) The Terrorism Reader, Routledge: New York. ● Freilich, Joshua (eds.) (2006) Migration, Culture Conflict, Crime and Terrorism, London: Routledge. ● Gill, K.P.S. (2001) Terror and Containment: Perspectives on India's Internal Security, Gyan Publishing House. ● Gupta, D. K. (2008) Understanding terrorism and political violence: The life cycle of birth, growth, transformation, and demise, London: Routledge. ● Hocking, J. & C. Lewis (Eds.) (2007) Counter-terrorism and the Postdemocratic State, UK:Elgar Publishing. ● Hoffman, Bruce (2017) Inside Terrorism (Columbia Studies in Terrorism and Irregular Warfare), Columbia University Press, 3rd Edition. ● Krueger, Alan B (2008) What Makes a Terrorist: Economics and the Roots of Terrorism, NJ: Princeton University Press. ● Kumar, Anand (2012) The Terror Challenge in South Asia and Prospect of Regional Cooperation, New Delhi: Pentagon Security International. ● Laquer, W. (1998) Origins of terrorism: Psychologies, ideologies, theologies, states of mind, U.S.: Woodrow Wilson Center Press. ● Laqueur, Walter (1987) The Age of Terrorism, Little Brown & Co; Subsequent edition. ● Martin, Gus (2012) Understanding Terrorism: Challenges, Perspectives and Issues, SAGE Publications Inc; Fourth edition. ● Mockaitis, T. R. (2007) The "new" terrorism: myths and reality, U.S.: Standford University Press. ● Martin, G. (2013) Essentials of terrorism: Concepts and controversies, London: Sage Publications. ● O'Day, A. (Eds.) (2004) Dimensions of terrorism (Vol. 1), VT: Ashgate Publication Limited. ● Raman, B. (2012) The Kaoboy of R&AW: Down Memory Lane, Lancer Publishers. ● Richardson, L. (2013) The roots of terrorism: an overview, Routledge: New York. ● Weimann, Gabriel & Conrad Winn (1994) The Theatre of Terror: Mass Media and International Terrorism, New York: Longman. ● Wilkinson, Paul (2006) Terrorism versus Democracy: The Liberal State Response, Routledge Routledge; 2nd edition. 		


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester III (DEC-5)

Session: 2025-26

Part A – Introduction

Name of Programme	MA Defence & Strategic Studies		
Semester	III		
Name of the Course	International Law –I		
Course Code	M24-DFS-307		
Course Type	DEC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the nature, basis and sources of international law. CLO 2: Develop a clear idea about various relationships and subjects of international law. CLO 3: Understand the international law related with intervention, territory and seas. CLO 4: Comprehend the various methods about settlement of international disputes and law regarding weapons of mass destruction's.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Definition, Nature, Basis and Sources of International Law. Treatment of Aliens; Asylum; and Extradition.	15
II	Relationship between International Law and Municipal Law; and Subjects of International Law.	15
III	Intervention – Meaning and Grounds; State Territory and Modes of Acquisition and Loss of Territory; and Law of the Seas.	15
IV	Pacific and Coercive Means of Settlement of International Disputes; and International Law Regarding Weapons of Mass Destructions (WMDs)	15
Total Contact Hours		60



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ● Anand, R.P. (1972) New States and International Law, Vikas Publications, New Delhi. ● Agrawala, S.K., (ed) (1972) Essays on the Law of Treaties; with special reference to India, Bombay: Orient Longman. ● Friedmann, W. (1964) Changing Structure of International Law, Steven & Sons, London, UK. ● Jenks, C. Wilfred. (1958) The Common Law of Mankind”, Stevens & Sons, London, UK. ● Kaplan, M.A. & Node B. Katzenbach. (1961) The Political foundations of International Law”, John Wiley & Sons, London, UK. ● Kapoor, S.K. (1992) International Law, Central Law Agency, Allahabad. ● Lissitgyn, Oliver J. (1965) International Law- Today and tomorrow, Debbs Ferry, New York. ● Perry E. Corbett, Perry E. (1971) The Growth of World Law, Princeton, New Jersey, USA. ● Singh, Nagendra. (1969) India and International Law”, S. Chand & Co., New Delhi. ● Starke, J.G. (1994) Introduction of International Law (10th ed), Aditya Books, New Delhi. 			



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester III (DEC-5)

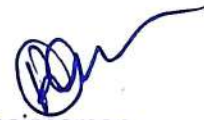
Session: 2025-26			
Part A – Introduction			
Name of Programme	MA Defence & Strategic Studies		
Semester	III		
Name of the Course	Regional Security in South Asia		
Course Code	M24-DFS-308		
Course Type	DEC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the concept and scope of regional security and South Asia with identifying the geopolitical/geostrategic/economic significance of South Asia.</p> <p>CLO 2: Comprehend the defence policy and foreign relations dynamics of main South Asian states.</p> <p>CLO 3: Develop analytical insights about internal and external threats, areas of conflict and cooperation with reference to SAARC.</p> <p>CLO 4: Develop a complete understanding about the various defence and security challenges in South Asia.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Definition and scope of regional security; Historical evolution of South Asian States. Geo-political and Geo-strategic significance of South Asia Economic Potentials of the South Asian States		15
II	Defence policies South Asian States with reference to India and Pakistan. Foreign policy of South Asian states with reference to India, Pakistan, Bangladesh and Sri Lanka.		15
III	Domestic, Regional and Extra-regional threats to the South Asian Security. Conflict and Co-operation in the South Asian Region with particular reference to South Asian Association for Regional Cooperation (SAARC).		15
IV	Nuclear and missile proliferation in South Asia. Narco-terrorism and small arms proliferation in South Asia.		15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Ethnic conflicts, separatism, insurgency and terrorism in South Asia.			
Total Contact Hours		60	
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ● Ahmed, Emajuddin (1984) Foreign Policy of Bangladesh A Small States Imperative, University Press. ● Agwani, M.S. (1983) South Asia, Stability and regional Cooperation. Centre for Research in Rural and Industrial Development. ● A, Vandana & Ashok C. Shekla, (2004) "Security in South Asia: Trends and Directions, APH Publishing Corporation. ● Bajpai, Kanti P. and S.P. Cohen (1993) The Security of South Asia after the Cold War, Avalon Publishing. ● Bajpai, U.S. (1986) India and its neighbourhood. Lancer International. ● Bhargava, G.S. (1983) South Asian Security after Afghanistan, Lexington Books. ● Bhargava, K.K. (2001) South Asia 2010- Challenges & Opportunities, Konark Publisher. ● Banerji, Dipankar and G W. Kuck (Eds.,) (2004). South Asia and the War on Terrorism, India Research Press. ● Banerji, Dipankar (Ed.,) (2000) Security Studies in South Asia: Change and Challenges, Manohar Publishers and Distributors; UK ed. Edition. ● Chari, P. R (2001) Security and Governance in South Asia, Manohar Publishers and Distributors; UK ed. Edition. ● Dahiya, Behuria (2012) India's Neighbourhood- Challenges in the Next Two Decades, Pentagon Press; India edition. ● Dossani, Rafiq and Rowen, Henry S. (Eds.,) (2005) Prospects for Peace in South Asia. ● Ganguly, Sumit (1986) Origin of war in South Asia, Westview Press; 1st edition. ● Gupta, Bhabani Sen (1986) Regional Co-operation and Development in South Asia, South Asian Publishers. ● Gupta, Bhabani Sen (1988) South Asian Perspectives- Seven Nations in Conflict & Cooperation, B.R. Publishing Corporation. ● Iftkharuzzaman (1995) South Asians Security: Primacy of Internal Dimension, Vikas Publishing house. ● Jain, B.M. (1987) South Asia, India & US. Jha, Nalini Kant, (Ed.) (2003) South Asia in the 21st Century: India, Her Neighbours, and Great Powers ● Jha, Nalini Kant (2009) Democracy, Nation Building and Peace in South Asia. ● Kapur, K.D. (1983) Soviet Strategy in South Asia, Young Asia Publications. ● Kathpalia. P.N. (1986) National Security Perspectives, Lancer International. ● Kennedy, D.E. (1965) Security of Southern Asia, Frederick A Praeger Inc. 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

- Paranjpe, Shrikant (1985) "India and South Asia since 1971", Radiant Publisher.
- Pannikar, K.M. (1960) Problems of Indian Defence, Asia Publishing House.
- Prasad, Bimil (1989) Regional Cooperation in South Asia- Problems & Prospects.
- Rajagopalan, Rajesh (2005) Second Strike: Arguments About Nuclear War in South Asia, Penguin India.
- Rajagopalan, Swarna (Ed.) (2016) "Security and South Asia: Ideas, Institutions and initiatives", Routledge India; 1st edition.
- Raghavan, V. R., (2002) Comprehensive Security in South Asia: Perspectives from the Region.
- R., Dhurba P & Yozo Yokota (2006) Understanding Development, Conflict, and Violence: The Cases of Bhutan, Nepal, North-East India, and the Chittagong Hill Tracts of Bangladesh
- Sen, Gautam (1986) India's Security considerations in nuclear age.
- Wignaraja, Ponna & Akmal Hussain (1989) The Challenge in South Asia: Development, Democracy and Regional Cooperation, United Nations University Press/ Sage Publishers.



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester III (OEC)
***Paper chooses by other departments/social science students**

Session: 2025-26

Part A - Introduction

Name of the Programme	MA Defence & Strategic Studies		
Semester	III		
Name of the Course	Indian Security Concerns		
Course Code	M24-OEC-341		
Course Type	OEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Understand the basic concepts of defence and security. CLO2: Comprehensively understand the the internal security concerns and challenges of India. CLO3: Develop a deep understanding of external security challenges of India. CLO 4: Have an in-depth understanding about the Indian defence and security architecture.		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	National Security and India, National Power and National Interest.	7
II	Non-Alignment and India, Problems of India's Security: Internal security challenges-Traditional and Non-traditional.	8
III	External Security Challenges to Indian Security-Traditional and Non-traditional.	7
IV	Higher Defence Structure in India, National Security Council, Para - Military and Civil Defence.	8
Total Contact Hours		30


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Suggested Evaluation Methods			
Internal Assessment: 15		End Term Examination: 35	
➤ Theory		➤ Theory	35
• Class Participation:	4	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	4		
• Mid-Term Exam:	7		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ● Bhonsle, Rahul K. (2006) India- Security Scope 2006: The New Great Game Kalpaz Publication. ● Behera, Anshuman & Sitakanta Mishra (2022) Varying Dimensions of India's National Security: Emerging Perspectives, Springer Nature. ● Chaudri, J.N. (1973) India's Problems of National Security, United Service Institution of India. ● Paleri, Prabhakaran (2008) National Security: Imperatives and Challenges, Tata McGraw-Hill Pub. ● Paranjpe, Shrikant (Ed.) (2009) India's Internal Security: Issues and Perspectives, Kalinga Publications. ● Sen, Gautam (2007) Conceptualizing Security for India in the 21st Century, Atlantic Publishers & Distributors. ● Subramaniam, K. (1982) India's Security perspectives, ABC Publishing House. ● Samadar, Surjeet (2003) Defence Development and National Security: Linkages in the Indian Context, Gyan Publishing House. ● Toppo, Herkan Neadan (2013) Contemporary Security Concerns of India, Concept Publishing Company. ● Yadav, R.S. (2013) Bharat Ki Videsh Niti (Hindi), Pearson Education India; First Edition. ● Yadav, R.S. (2009) India's Foreign Policy: Contemporary Trends, New Delhi, Shipra Publication. 			



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester IV (CC-11)

*Same for students opting Dissertation and project work

Session: 2025-26

Part A – Introduction

Name of Programme	MA Defence & Strategic Studies		
Semester	IV		
Name of the Course	Defence Economics-II		
Course Code	M24-DPS-401		
Course Type	CC-11		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand about the contemporary economic systems and their critical evaluation and comparison. CLO 2: Develop a clear understanding about the complex concept of defence and development. CLO 3: Have well-grounded knowledge about the economic constraints and implications with rationale for self-reliance. CLO 4: Comprehend the Indian policy on defence production and recent changes.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Contemporary Economic Systems: Capitalism, Socialism and Mixed Economy.	15
II	Defence and Development: Concept and its Implications for India; and Determinants of Defence Expenditure: Threat Perceptions, Capabilities and Policies. Contemporary Trends in India's Defence Expenditure.	15
III	Economic Constraints in Defence Management; Economic Implications of Technological Changes with Reference to Defence Production in India: The Rationale for Self – Reliance and Problems of Imported Technology in Defence Production.	15
IV	India's policy on Defence Production: Department of Defence Production, Ordnance Factories and Defence Public Sector Undertakings (DPSUs); and Role of Private Sector in Defence Production. Indian Defence Production.	15
Total Contact Hours		60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ● Aggarwal, A.N. (1966) Economic Mobilization for National Defence, Asia Publishing House. ● Aggarwal, R.K. (1978) Defence Production and Development, Arnold Heinmann Publisher. ● Clark, J.J. (1966) The New Economics of Nations Defence, Random House Publisher. ● Chatterji, Manas & Jacques Fontanel (1996) Army Spending development and security, APH Publishing corporation. ● Deger, Saadet. (1986) Military Expenditure in Third World Countries, Routledge Kegan & Paul. ● Downey, John. (1977) Management in the Armed Forces, McGraw-Hill Inc. ● Dutta, Meena & J.N. Sharma. (2005) Defence Economics, Deep & Deep Publications. ● Ghosh, Amiya Kumar. India's Defence Budget and Expenditure Management, Lancer Publications. ● Hatfield, Mark.O. (1971) The Economics of Defence, Praeger Publishers Newyork. ● Hitch, C.J. & R.N. Mckean. (1961) The Economics of Defence in the Nuclear age, Harvard University Press. ● Jack, D.T. (1940) Studies in Economic Warfare. P. S. King & Sons, London. ● Jalan, B. (2000) India's Economic Policy- Preparing for 21st century, Penguin India. ● Jhingan, M.L. (2016) Economics of Development Planning, Vrinda Pub. Ltd. ● Knorr, Klaus. (1978) War Potential of the Nations, Praeger Publishers Inc; New edition. ● Ludra, K.S. (1992) Understanding War: its implications and effects. K.S. Ludra Publisher. ● Mathews, Ron. (1989) Defence Production in India, ABC Publishing House. ● Mckinlay, Robert. (1989) Third World Military Expenditure, Pinter Pub. ● Pandey, S.P. Defence Economics, Bhanumati Publication. ● Prasad, Bisheshwar. (1962) India War Economy, Combined Inter-Services Historical Section. ● Robbins, Lionel. (1947) The Economic Problems in War & Peace, Macmillan and Company Limited. ● Sandler, Todd & Keith Hartley. (1995) The Economics of Defense, Cambridge University Press. ● Singh, Jasjit. (2001) India's Defence Spending, KW Publishers Pvt Limited. ● Smith, Ron. (2009) Military Economics: The Interaction of Power and Money, Palgrave Macmillan. ● Subrahmanyam K. (1972) Perspective in Defence Planning, Abhinav Publications. ● Thomas, Raju G.C. (1978) The Defence of India, A Budgetary Perspective of Strategy and Politics, South Asia Books. ● Vohra, Bharat. (2010) Defence Economics, Sumit Enterprises. 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester IV (CC-12)

Session: 2025-26			
Part A – Introduction			
Name of Programme	MA Defence & Strategic Studies		
Semester	IV		
Name of the Course	Sociological Dimensions of War		
Course Code	M24-DFS-402		
Course Type	CC-12		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the war from social perspectives. CLO 2: Develop a critical perspective on the post-war social problems and their impact on society and military. CLO 3: Have an in-depth knowledge on civil military relationship and associated topics. CLO 4: Examine and assess the role of women in military and problems of veterans after military service.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics	Contact Hours	
I	Sociology of War (Military Sociology): Social Causes of War, Social Mobilization for War; and Social Effects of War: Adjustments and Emotional Problems during War, Social Aspects of Victory, Defeat and Occupation.	15	
II	Post-War Social Problems: Impact on Society (Problem of re-settlement of War Victims and Post-War Reconstruction), Impact on Military (Demobilization, Rehabilitation and Social Adjustment of Released Personnel) and Social Problem of Military Personnel (Killed or Disabled and Implications for their Families).	15	
III	Civil-Military Relations: History and Contemporary Trends; Military Coup: Causes and Consequences; and Civil-Military Relations in India.	15	
IV	Social Background of Military Personnel in India; and Problems of Ex-Servicemen in India. Women & Armed Forces: Role, Limitations, Impact and Contemporary Trends.	15	
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- Doorn, Jacques Van (Ed.) (1968) Armed Forces and Society: Sociological Essays, De Gruyter Mouton Pub.
- Janowitz, Morris (1964) The Professional Soldier. A Social and Political Portrait, Free Press.
- Johnson, John Asher (Ed.) (1962) Race, The role of the Military in Under-Developed Countries, Princeton University Press.
- Kukreja, Veena (1991) Civil-Military Relations in South Asia: Pakistan, Bangladesh and India, SAGE Publications Pvt. Ltd.
- Khan, J.A. (2006) India Armed Forces and Society (Set of 2 Vols.), Anmol Publications.
- Maury, D. Feld (1977) Structure of violence: Armed forces as social systems, New Delhi, Sage Publications.
- Mills, C. Wright (1959) The Power Elite, New York, Oxford university Press.
- Mukherjee, Anit (2019) The Absent Dialogue: Politicians, Bureaucrats, and the Military in India (Modern South Asia) OUP USA Pub.
- Nayyar, V.K. (2015) Civil Military Relations: Theory and Practice, Sumit Enterprises.
- Nordlinger, Eric. A. (1977) Soldiers in Politics: Military Coups and Governments, Prentice-Hall contemporary comparative politics series.
- Parmar, Leena (Ed.) (1999) Military Sociology: Global Perspectives, Rawat Publications.
- Parmar, Leena (1994) Society Culture and Military System, Rawat Publications.
- Strachey, Alix (1957) The Unconscious Motives of War. Allen & Urwin Pub.
- Singh, Anil Kumar (2006) Military and Media, Lancer Publishers & Distributors.
- Sougajam, Asha (2018) Military Sociology: Past, Present and Future, Mittal Publications.


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester IV (DEC-6)
 *Same for students opting Dissertation and project work

Session: 2025-26			
Part A – Introduction			
Name of Programme	MA Defence & Strategic Studies		
Semester	IV		
Name of the Course	Area Studies-China		
Course Code	M24-DFS-403		
Course Type	DEC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the military geography, geo-strategic significance and composition of China. CLO 2: Develop analytical insight into the PLA and foreign policy of China. CLO 3: Have an in-depth knowledge of Sino-Indian war and relations. CLO 4: Comprehend China's relations with its USA & Pakistan also examine China's defence/nuclear capabilities.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics	Contact Hours	
I	Military Geography of China- Its Geo-Strategic Significance; and Population, Composition, Languages and Characteristics of Major Ethnic Groups.	15	
II	Peoples Liberation Army (PLA): Origin, Organization, Structure and Process; (Rocket Force/Missiles) and Foreign Policy of China; Objectives and Determinants.	15	
III	Areas of Conflict and Cooperation between China and India with Special Reference to Sino-Indian War of 1962. China's Strategic Postures towards India.	15	
IV	China's Relations with United States of America and Pakistan. China's Nuclear policy and Defence Potentials.	15	
Total Contact Hours			60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- Acharya, Alka (2009) China and India- Politics of Incremental Engagement, Har-Anand Publications, New Delhi.
- Deepak, B.R. (2001) India- China Relations: In the first half of the 20th Century, APH Publishing House, New Delhi.
- Hsu, Immanuel C.Y. (2000) Rise of modern China, Oxford University Press, New York.
- Kumar, R.V. (2003) Chinese Air Force threat: An Indian Perspective, Manas Publication, New Delhi.
- Kornberg, Judith F. & John R Faust (2005) China in World Politics- Policies Processes and Prospects, Lynne Rienner Publishers Inc; 2nd edition.
- Kapur, C.K. (2003) Chinese Military Modernization, Manas Publications New Delhi, 2003.
- Lal, Dinesh (2008) Indo-Tibet-China Conflict, Kalpaz Publications, New Delhi.
- Qurong, Shen & Bhabani Sengupta (1999) China looks at the World, Konark Publisher Pvt. Ltd. Delhi.
- Sali, M.L. (1998) India- China Border dispute: A case study of Eastern Sector, A.P.H. Publishing, New Delhi, 1998.
- Saraf, Vishnu (2008) India and China: Comparing the Incomparable, Macmillan Publishers India.
- Shirk, Susan L. (2008) China- Fragile Superpower, Oxford University Press, New York.
- Scobell, Andrew (2003) China's Use of Military Force, Cambridge University Press, New York, 2003.
- Singh, Jasjit (Ed). (1996) India, China and Panchsheel, Sanchar Publication House, New Delhi.
- Vohra, Ravi & P.K. Ghosh (Eds) China and the Indian Ocean region, National Maritime Foundation, Anamaya Publishers, New Delhi, 2008.
- Xuecheng, Liu (1994) The Sino-Indian border dispute and Sino-Indian relations, University Press of America.


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester IV (DEC-6)

*Same for students opting Dissertation and project work

Session: 2025-26			
Part A - Introduction			
Name of Programme	MA Defence & Strategic Studies		
Semester	IV		
Name of the Course	Disaster Management in India		
Course Code	M24-DFS-404		
Course Type	DEC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the meaning, classification, phases, and institutional mechanisms of disaster management including the legal framework and policies. CLO 2: Comprehend the disaster management cycle with pre disaster, during and post disaster process. CLO 3: Develop the ability to critically analyse India's hazard profile and NDMA role in disaster management. CLO4: Understand the role and responsibilities of various civil/armed/civic/ngo's while dealing with disasters.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Disaster Management: Meaning, Concept, Scope and Elements. Disaster Management: Types, Causes, Consequences. Disaster Management and Acts: National Policy, Guidelines and plans on Disaster Management.		15
II	Disaster Management cycle: a) Pre-Disaster: Vulnerability Assessment and Analysis, Risk Mapping through the use of technology, Prevention and Mitigation of Disaster, Early Warning System; preparedness, Capacity Development; awareness. b) During Disaster: Evacuation - Communication - Search and Rescue - Emergency Operation Centre - Incident Command System - Relief and Rehabilitation. c) Post-Disaster: Damage and Requirements Assessment, Restoration of Critical Infrastructure, Early Recovery- Reconstruction and Redevelopment.		15



Controller of Examinations
 Deptt. of Political Science
 K.U. Kurukshetra-136119

III	Disaster Management in India: Hazard Profile, Continuum, NDMA role and relief programme.	15
IV	Role of Para-military forces, Armed forces and Civil defence in dealing with Disaster Management in India. Community-based disaster management (CBDM); Roles and responsibilities of Panchayati Raj Institutions, Urban Local Bodies and State Authorities. Role of Non-Government Organisations and Inter-Governmental Agencies.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> ● Bawa, Noorjahan (ed) (2008) Non-Governmental Organisations in Development: Theory and Practice, Kanishka Publishers Distributors. ● Chakraborty, S.C. (2007) Natural Hazards and Disaster Management, Pragatishil Prakashak. ● Coppola, Damon P. (2015) Introduction to International Disaster Management. Butterworth-Heinemann, 3rd Edition. ● Gupta, Harsh K. (2003) Disaster Management, Universities Press (India). ● Hyogo Framework for Action 2005-2015: Building the Resilience of Nations and Communities to Disasters, ISDR- UN International Strategy of Disaster Risk Reduction. ● Jain, R.B. (1995) NGOs in Development Perspective. Vivek Prakashan. ● Kapur, A. (2005) Disasters in India: Studies of Grim Reality, Rawat Publication. ● Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication. ● Kapoor, Mukesh (2010) Disaster Management, Lotus Press. ● Modh, Satish (2018) Introduction to Disaster Management, Trinity Press, Newdelhi. ● Mukhopadhaya, A.K. (2005) Crisis and Disaster Management Turbulence and Aftermath, New Age International Publishers. ● NDMA Government of India, Disaster Management Act, 2005, Ministry of Law and Justice. Available in English & Hindi. ● Parasuraman, S. & P. V. Unnikrishnan (2000) India Disaster Report: Towards a policy initiative, OUP India. ● Pasricha, Ashu (2014) Disaster Management and Strategies: Concept & Methods, Risk Reduction & Insurance, Experiences & Case Studies, Regal Publications. ● Sahni, Pradeep. Alka Dhameja, Uma Medury (Eds.) (2001) Disaster Mitigation Experiences and Reflections, Prentice Hall India Learning Private Limited. ● Singh, Jagbir (2013) Disaster Management: Future Challenges and Opportunities, I K International Publishing House Pvt. Ltd. ● Sinha, Anil (2001) National Disaster Response Plan, National Centre for Disaster Management, New Delhi. ● Waugh, William L (2000) Living with Hazards, Dealing with Disasters. Routledge; 1st edition. 		


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester IV (DEC-7)

Session: 2025-26

Part A - Introduction

Name of Programme	MA Defence & Strategic Studies		
Semester	IV		
Name of the Course	Science & Technology in Relation to Warfare-II		
Course Code	M24-DFS-405		
Course Type	DEC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the RMA and its impacts on India. CLO 2: Develop the understanding about the concepts of electronic/cyber/information warfare. CLO 3: Understand the latest technologies and their relevance for security systems. CLO 4: Comprehend the growth and development of DRDO/ocean technology in India with limitations.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Revolutions in Military Affairs (RMA); and Impact of RMA on Indian Defence.	15
II	Electronic Warfare- Concept and Application; and Information Warfare and Cyber Warfare- Concept, Application and Implications.	15
III	New Technology and their Relevance to Security Systems- Bio-Technology, Laser, Bio-Metrics, Drone, Stealth, Satellites.	15
IV	Growth and Development of Ocean Technology in India; and India's Achievements, Problems and Limitations in Ocean Technology. Defence Research and Development Organization (DRDO): Objectives, Achievements and Limitations.	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Total Contact Hours		60	
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ● Ahmed, Asif (Ed.) (2014) Science Technology and war, Twenty First Century Publisher. ● Ambasta, Rakesh (2023) Drone Warfare, Sky Books Internationals. ● Asian Productivity Organization, (1976) Intra-national Transfer of Technology, Tokyo. ● Bakshi, G.D. (1997) War in the 21st Century, Delhi, Lancer Publisher. ● Baranwal, Jayant (1983) S. P's Military year book: New Delhi, Guide Publishers. ● Deva, Yashwant (1996) Dual-use of Information Technology (An Indo-centric Perspective): New Delhi, IDSA. ● Ericson, John (1996) The Military Technical revolution: Its impact on strategy and foreign policy: New York, Frederic A. Praeger. ● Ghosh, C.N. (2011) Tomorrows War:21st Century Defence Strategies, Manas Publications. NewDelhi. ● Hanlon, Michael O. (2005) Technology Change and the Future of Warfare, Manas Publication. ● Hart, David (1983) Nuclear power in India, George Allen & Unwin. ● Khana, S.K. (1998) India: a Nuclear Power, Commonwealth Publishers. ● Lal, A.K. (2003) Space warfare and Military strategy. (An Indian Perspective): New Delhi, USI of India. ● Macksey, Kenneth (1986) Technology in War: The Impact of Science on Weapon Development and Modern Battle (An Arco Military Book), Simon & Schuster Pub. ● Nag, Harshini (2023) Drone Warfare Capacity Building in Securing India's National Interests, VIF Paper, Vivekananda International Foundation. ● Nanda, J.N. (1986) Science Technology in India's Transformation, Concept Publishing Company. ● Rajan, Y.S. (2001) Empowering India (with Economic, Business and Technology, Strengths for the 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

twenty first century): New Delhi, Har Anand.

- Sen, S.K. (2000) Military Technology and Defence Industrialization: New Delhi, Manas Publishers.
- Siddhartha, K. (1999) Oceanography, A brief introduction 3rd edition: New Delhi, Kisalaya Publishers.
- Suri, R.K. & T.N. Chhabra (2004) Cyber Crime, Pentagon Press.
- Tellis, Ashley J. (2001) India's Emerging nuclear posture: Oxford, Oxford University Press.
- Tewari, V.M (1996) The High-Tech War of twentieth century, South Asia Books.
- Thee, Marek (1986) Military technology, Military Strategy and Arms Race: London, Croom Helm.


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester IV (DEC-7)

Session: 2025-26			
Part A - Introduction			
Name of Programme	MA Defence & Strategic Studies		
Semester	IV		
Name of the Course	Contemporary International Conflicts		
Course Code	M24-DFS-406		
Course Type	DEC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the root causes, nature, and typologies of contemporary international conflicts in Korean peninsula and Israel-Palestine. CLO 2: Comprehend about the Taliban resurgence in Afghanistan and conflict in South China sea. CLO 3: Develop the ability to analyse the conflicts and crises in Arab world. CLO 4: Understand the implications of Russia-Ukraine war and Uyghurs crisis in China, Indian response to global conflicts.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Understanding conflict: Conflict in Korean Peninsula: Genesis and Contemporary Trends. Israel - Palestine Conflict: Genesis and Contemporary Trends.		15
II	Afghanistan: Taliban resurgence and its regional implications; and Contemporary Trends. Conflict in South China Sea: Contemporary Trends.		15
III	Syria, Iraq and Yemen: Proxy wars, Security Challenges and humanitarian crises. Iran-Saudi rivalry: Shia-Sunni politics and regional power struggle.		15
IV	Russia-Ukraine war: NATO expansion, energy politics, and global security; Uyghurs Crisis in China: Genesis and Contemporary Trends. India's strategic response and foreign policy in global conflict scenarios.		15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Total Contact Hours		60	
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ● Baylis, J., P. Owens, & S. Smith (Eds.) (2020) The Globalisation of World Politics: An introduction to international relations (8th ed.) Oxford University Press. ● Buzan, Barry and Ole Waever (Eds) (2003) Regions and Powers: The Structure of International Security, Cambridge. ● Brown, M. E. (Ed.) (1996). The international dimensions of internal conflict. MIT Press. ● Chellaney, B. (2013) Water, peace, and war: Confronting the global water crisis. Rowman & Littlefield. ● Chauhan, Sharad S. (2003) War on Iraq, APH Publishers. ● Coburn, Noah (2016) Losing Afghanistan, Stanford University Press Stanford, California. ● Cooley, John K. (2002) Unholy Wars: Afghanistan, America and International Terrorism, Penguin India; 2nd edition. ● Fathi, Karim (2025) The Russia-Ukraine War: A Manifestation of the 'New Cold War'? Perspectives on Solutions from Peace Studies, Springer Nature. ● Fraihat, Ibrahim (2020) Iran and Saudi Arabia: Taming a Chaotic Conflict, Edinburgh University Press. ● Ganguly, S. (Ed.) (2010) India and its neighbours: Regional diplomacy after the Cold War, Cambridge University Press. ● Gelvin, James L. (2021) The Israel-Palestine Conflict: A History, Cambridge University Press. ● Gilbert, Adrian (2002) The Encyclopaedia of Warfare: From Earliest Times to the Present Day, Grange Books. ● Goldstein, Joshua S, (1994) International Relations: New York, Harper-Collins. ● Hiro, Dilip (2002) War without End: The Rise of Islamist Terrorism and Global Response, Routledge. ● Jaishankar, S. (2020) The India Way: Strategies for an Uncertain World, Harper Collins. ● Laqueur, Walter (2004) No End to War: Terrorism in the Twenty-First Century, Continuum International Publishing Group. ● Midlarsky, Manus I.(ed.) (1989) Handbook of War Studies: London, Unwin Hyman. ● Mitchell, Arthur H. (2013) Understanding the Korean War: The Participants, the Tactics, and the Course of Conflict, McFarland Publisher. ● Moore, John Norton (ed) (1977) The Arab-Israeli Conflict: Princeton University Press. ● Nye, Joseph S. (2008) Understanding International Conflicts: An Introduction to Theory and History, Pearson; 7th edition. ● Roberts, Sean R. (2020) The War on the Uyghurs: China's Internal Campaign against a Muslim Minority, Princeton University Press. ● Tomsen, Peter (2013) The Wars of Afghanistan, Perseus Books Group. ● Tucker, Spencer C. (2001) Who's Who in Twentieth Century Warfare: London, Routledge. ● Viotti, P. R., & M. V. Kauppi (2012) International relations theory (5th ed.). Pearson Education. 			



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester IV (DEC-8)

Session: 2025-26

Part A – Introduction

Name of Programme	MA Defence & Strategic Studies		
Semester	IV		
Name of the Course	International Law –II		
Course Code	M24-DFS-407		
Course Type	DEC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand war and its legal character. CLO 2: Develop deep understanding about various laws of war. CLO 3: Examine war crimes and assess the various important trials and rights. CLO 4: Comprehend various international laws related with voyage, sea and war.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	War: Its Legal Character and Effects; Enemy Character; Genocide and Human Rights.	15
II	Laws of War: Land, Air and Sea Blockade Prize Court	15
III	War Crimes and Different Trials- Tokyo, Nuremberg and Milosevic; Termination of War; Neutrality: Concept and Evolution; and Rights and Duties of Neutral States.	15
IV	Right of Angary; Contraband and Doctrine of Continuous Voyage; Belligerent Rights of Visit & Search.	15
Total Contact Hours		60


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ● Anand, R.P. (1972) New States and International Law, Vikas Publications, New Delhi. ● Agrawala, S.K., (ed) (1972) Essays on the Law of Treaties; with special reference to India, Bombay: Orient Longman. ● Fenwick, C.G. (1971) International Law, Bombay, Vakils. ● Friedmann, W. (1964) Changing Structure of International Law, Steven & Sons, London, UK. ● Jenks, C. Wilfred (1958) The Common Law of Mankind", Stevens & Sons, London, UK. ● Kaplan, M.A. & Node B. Katzenbach (1961) The Political foundations of International Law", John Wiley & Sons, London, UK. ● Kapoor, S.K. (1992) International Law, Central Law Agency, Allahabad. ● Kelsen, H. (1952) Principles of International Law, New York, Rinehart and Co. ● Lissitgyn, Oliver J. (1965) International Law- Today and tomorrow, Debbs Ferry, New York. ● Oppenheim, L. (1953) International Law Vol. 1, 1969, Revised edn., Vol II. ● Perry E. Corbett, Perry E. (1971) The Growth of World Law, Princeton, New Jersey, USA. ● Singh, Nagendra (1969) India and International Law", S. Chand & Co., New Delhi. ● Starke, J.G. (1994) Introduction of International Law (10th ed), Aditya Books, New Delhi. ● Stone, J. (1954) Legal Controls of International Conflict, New York, Rinehart and Company. 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester IV (DEC-8)

Session: 2025-26

Part A – Introduction

Name of Programme	MA Defence & Strategic Studies		
Semester	IV		
Name of the Course	Geo-Politics and Military Geography		
Course Code	M24-DFS-408		
Course Type	DEC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the foundational theories and principles of geopolitics and their relevance to international theories.</p> <p>CLO 2: Comprehend the geopolitics during cold and post cold era and related terminology.</p> <p>CLO 3: Develop analytical insights about the military geography and logistics.</p> <p>CLO 4: Understand the role of military geography in all dimensions of warfare with Indian context.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Meaning, Scope and Importance of Geo-Politics. Evaluation of Geo-Political thought since 19th century: Organic theory of state, Sea power theory, Land power theory, Rim land theory, German geo-politics.	15
II	Geo-Politics during the Cold war period: Heart Land Theory, Four dimensional world. Geo-politics in the Post Cold era. Buffer Zones, Unipolar/bipolar/multipolar world order	15
III	Military Geography: Scope and significance; Role of geography in Military applications Importance and scope of Logistics: Resources, Industries, Supply chain of transportation and communication.	15


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

IV	Role of geography in Land warfare, Sea warfare, Air warfare. Military Geography of India & their problems: India's Boundary Problems	15
Total Contact Hours		60

Suggested Evaluation Methods

Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- Cohen, S. B. (2003). Geopolitics of the world system. Rowman & Littlefield.
- Collins, J.M. (1998) Military geography for professionals and the public. Potomac Books, Inc.
- De Blij, H. J. (2012). Why geography matters: More than ever. Oxford University Press.
- De Blij, Harm J. (1973) Systematic Political Geography, John Wiley and Sons.
- Dikshit, R.D. (1994) Political Geography: The Discipline and its Dimensions, Tata Macgraw Hill.
- Earle, E. M., & G. A. Craig (1941). Makers of modern strategy: military thought from Machiavelli to Hitler. Princeton University Press.
- Flint, C. (2021). Introduction to geopolitics (4th ed.). Routledge.
- Galgano, F. and E. J. Palka (Eds.) (2012) Modern military geography. Routledge.
- Glassner, M. I., & C. Fahrer (2004). Political geography (3rd ed.). John Wiley & Sons.
- Mahan, A. T. (1987) The influence of sea power upon history, 1660–1783. Dover Publications.
- Mackinder, H. J. (1943) Democratic ideals and reality: A study in the politics of reconstruction. Henry Holt & Company.
- Paret, Peter & others (Eds.), (1986) Makers of Modern Strategy: From Machiavelli to the Nuclear Age, Princeton University Press; 1st edition.
- Peltier, Louis C. and G. Etzel Percy (1981) Military Geography, Affiliated East-West Press.
- Presscot, J. R. V. (1972) Political Geography, Methuem and Co.
- Sukhwal, B.L. (1985) Modern Political Geography, New Delhi: Sage.
- Taylor, P.J. (1895) Political Geography: World Economy, Nation State and Locality, Longman.
- Toal, G. (1998) Rethinking Geopolitics, Psychology Press.


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

MA Defence & Strategic Studies Semester IV (EEC)

*Same for students opting Dissertation and project work

Session: 2025-26

Part A – Introduction

Name of the Programme	MA Defence & Strategic Studies		
Semester	IV		
Name of the Course	Defence Journalism		
Course Code	M24-DFS-409		
Course Type	EEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>1. CLO1: Understand the basic concepts of the media whether print or visual shall report various aspects of defence and national security for international community in general and state in particular.</p> <p>CLO2: Comprehensively understand the difference between civil journalism & defence journalism</p> <p>CLO3: Develop a deep understanding about media ethics and laws besides getting exposure to the practical aspects of defence journalism.</p> <p>CLO 4: Have an in-depth understanding about the real war front reporting, problems and journalism laws.</p>		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Journalism: Meaning, relevance and scope. News Organization structure and functioning. Media: concept, kind and characteristics.	7
II	News: Purpose and meaning, Kinds and source, Reporting Format, Language and Grammar, Kinds: Eye Witness, Concepts of Graphics and animation, Interviewing skills.	8
III	Editing: Abbreviations/rank structure and definition of military terms. Proof reading. Caption writing.	7
IV	Differences between Civil Journalism & Defence journalism.	8

(Signature)
Chairperson

Deptt. of Political Science
K.U. Kurukshetra-136119

Hurdles in Defence writing: Political pressure Official Secrecy Military vs. Media debate.			
Total Contact Hours			30
Suggested Evaluation Methods			
Internal Assessment: 15		End Term Examination: 35	
➤ Theory		➤ Theory	35
• Class Participation:	4	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	4		
• Mid-Term Exam:	7		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ● Allan, Stuart & Barbie Zelizer (Ed) (2004) Reporting War: Journalism in Wartime, Publisher Routledge; 1st edition. Paperback. ● Basu, R.N. (2005) Handbook of Journalism, Jaipur: Pointer Publishers. ● Bhatt, S.C., (2005) Practical Journalism, Aavishkar. Jaipur. ● Chatterjee, R.K. (1973) Mass Communication, National Book Trust. New Delhi. ● Dhara, R., (1945) Journalism, Industry Publishers. Calcutta. ● Kamath, M.V. (1980) The Journalist's Handbook, NewDelhi: Vikas Pub. ● Menon, P.K. (2005) Practical Journalism, Jaipur: Aavishkar Publishers & Distributers. ● Narayanan, Varun Dev (2021) Defence Journalism, Sumith Enterprises; 1st edition. ● Natarajan, V.C. (1995) Defence Reporting in India: The Communication Gap, Trishul Publications. ● Saxena, Sangeeta (1997) Defence Journalism in India, Manas Publications. ● Seib, Philip and Piers Robinson, Romy Fröhlich (Ed)., (2020) Routledge Handbook of Media, Conflict and Security. ● Waren, K. Agrie (Ed)., (1968) The Press and the Public Interest, Public Affairs Press. Washington, DC. 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Scheme of Semester-4 when a student opts for Dissertation Work or Project Work

**MA Defence & Strategic Studies Semester IV
Dissertation or Project work**

Session: 2025-26

Part A – Introduction

Name of Programme	MA Defence & Strategic Studies	
Semester	IV	
Name of the Course	Dissertation/Project work	
Course Code	M24-DFS-410	
Course Type	Dissertation / Project work	
Level of the course	500-599	
Pre-requisite for the course (if any)	N A	
CC-11	M24- DFS- 401	Defence Economics-II
DEC-6	M24- DFS- 403	Area Studies-China
	M24- DFS- 404	Disaster Management in India
EEC	M24- DFS- 409	Defence Journalism

#Detailed syllabus of above papers is mentioned in respective sections.


Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

DISSERTATION

(Note: If A Candidate Is Offered Dissertation Course, Then He/ She Will also Study CC-11, Dec-4 & EEC From Above Courses of Semester4)

4	Dissertation/ Project Work	M24- DFS- 410	Dissertation/ Project Work	D	12	26	0	0	0	-	0	300	300	-
---	----------------------------------	---------------------	----------------------------------	---	----	----	---	---	---	---	---	-----	-----	---

Course Learning Outcomes (CLO)

Students will be able to

CLO 1: Formulate a focused research question and design a robust, methodologically sound investigation to address it.

CLO 2: Employ appropriate experimental, analytical, or related techniques to collect, analyze, and interpret the data effectively.

CLO 3: Critically evaluate research findings in light of existing theories, and communicate results clearly through well-structured scientific writing and presentations.

CLO4: Exhibit independence, time management, and scientific integrity throughout the research process, while responding thoughtfully to feedback and defending.

Description

I Each student is required to undertake a research project in a relevant area of Defence & Strategic Studies. The outcome of this research will be compiled into a dissertation and submitted for evaluation at the end of the semester. Students will also present their dissertation before an external examiner. Both internal and external assessments of the project and training will be conducted as per the prescribed evaluation criteria.

Assessment Structure

Internal Assessment:

- Submission of Dissertation.
- One Mid-Semester Progress Report and/or Presentation

External Assessment:

- Final Project Report (Dissertation)
- Viva-Voce Presentation before an External Examiner



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Bachelor of Technology (Aeronautical Engineering) Kurukshetra University, Kurukshetra

SCHEME OF EXAMINATIONS w.e.f: 2025-26 (Semester - III)

S. No.	Course No./ Code	Subject	L: T:P	Hours/ Week	Credits	Examination Schedule (Marks)				Duration of exam (Hours)
						End Semester Exam	Internal Assessment	Practical Exam	Total	
1	B24-BSC-201*	Oscillations, Waves and Optics	3:1:0	4	4	70	30	--	100	3
2	B24-AER-201	Introduction to Aeronautical Engineering	3:1:0	4	4	70	30	--	100	3
3	B24-BSC-203*	Mathematics-III	3:1:0	4	4	70	30	--	100	3
4	B24-AER-203	Propulsion-I	3:1:0	4	4	70	30	--	100	3
5	B24-MEC-203*	Mechanics of Solids-I	3:1:0	4	4	70	30	--	100	3
6	B24-ESC -201*	Engineering Thermodynamics	3:1:0	4	4	70	30	--	100	3
7	B24-AER-205	Propulsion Lab	0:0:2	2	1	--	40	60	100	3
8	B24-MEC-207*	Mechanics of Solids Lab	0:0:2	2	1	--	40	60	100	3
9	B24-MAC-201*	Environmental Studies	3:0:0	3	1	70	30	--	100	3
Total				31	27	490	290	120	900	

➤ **NCC/NSS/Sports/Yoga/Technical or cultural club/society activities may also be joined by students in second year and will be evaluated in 7th semester by the institute based upon continuous evaluation model as per guidelines.**

- ***Common with Mechanical Engineering**

Bachelor of Technology (Aeronautical Engineering) Kurukshetra University, Kurukshetra

SCHEME OF EXAMINATIONS w.e.f: 2025-26

(Semester - IV)

S. No	Course No./ Code	Subject	L: T:P	Hours/ Week	Credits	Examination Schedule (Marks)				Duration of exam (Hours)
						End Semester Exam	Internal Assessment	Practical Exam	Total	
1	B24-ESC -202*	Materials Engineering	3:0:0	3	3	70	30	--	100	3
2	B24-MEC-202*	Fluid Mechanics and Machines	4:1:0	5	5	70	30	--	100	3
3	B24-AER-202	Aircraft Structure-I	3:1:0	4	4	70	30	--	100	3
4	B24-MEC-206*	Mechanics of Solids-II	3:1:0	4	4	70	30	--	100	3
5	B24-AER-204	Aerodynamics-I	3:0:0	3	3	70	30	--	100	3
6	B24-MEC-208*	Manufacturing Technology	3:0:0	3	3	70	30	--	100	3
7	B24-ESC-204*	Materials Engineering Lab	0:0:2	2	1	--	40	60	100	3
8	B24-MEC-210*	Fluid Mechanics and Machines Lab	0:0:2	2	1	--	40	60	100	3
9	B24-AER-206	Aircraft Structure I Lab	0:0:2	2	1	--	40	60	100	3
10	B24-MAC-202*	Essence of Indian Traditional Knowledge	2:0:0	2	1	--	100	--	100	3
Total				30	26	420	400	180	1000	

Note: All students have to undertake the industrial training for 4 to 6 weeks after 4th semester which will be evaluated in 5th semester.

- *Common with Mechanical Engineering

B. Tech (3 rd Semester) Aeronautical Engineering							
B24-BSC-201							
Oscillations, Waves and Optics							
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	1	-	4	70	30	100	3 h
Purpose	To familiarize the basic principle of aviation, flight & aircraft propulsion. Also understand various flight controls and dynamics of the aircraft.						
Course Outcomes							
CO1	Understand the history, basic principle of aviation, trends in aerospace Industry.						
CO 2	Understand the basics of flight & aircraft propulsion.						
CO 3	Understand the various flight controls and dynamics of aircraft.						
CO4	Understand different systems of an aircraft.						

UNIT- I

Simple harmonic motion: Equation of simple harmonic motion and its solution, characteristics of SHM, Energy of harmonic oscillator; Damped harmonic oscillator: Equation of damped oscillator and its solution, Energy of weakly damped harmonic oscillator, Quality factor or Q-Value of damped oscillator; Forced oscillations and resonance: Forced damped harmonic oscillator, Power supplied to the forced oscillator, Band width of resonance and Quality factor.

Unit- II

Waves: Travelling waves, Characteristics of waves, Mathematical representation of travelling waves, General wave equation, Phase velocity, Light source emit wave packets, Wave packet and bandwidth, Group velocity and real waves.

Propagation of Light Waves: Maxwell's equations, Electromagnetic waves and constitutive relations, Wave equation for free space, Uniform plane waves, Wave polarization, Energy density, Pointing vector and intensity, Radiation pressure and momentum, Light waves at boundaries, Wave incident normally on boundary, Wave incident obliquely on boundary: Law of reflection, Snell's law.

Unit- III

Interference: Huygens' principle, superposition of waves, conditions of sustained interference, Young's double slit experiment, Division of wave front: Fresnel's Biprism and its application;

Division of Amplitude: Interference due to reflected and transmitted light, wedge shaped thin film, Newton's rings and its applications, Michelson interferometer and its application.

Diffraction: Types of diffraction, Fraunhofer diffraction due to single slit, Plane transmission grating: Theory, secondary maxima and minima, width of principal maxima, absent spectra, overlapping of spectral lines, determination of wavelength; Rayleigh criterion for limit of resolution, Dispersive and resolving power of diffraction grating.

Unit- IV

Lasers: Elementary idea of laser production: Stimulated absorption, Spontaneous and Stimulated emission; Einstein's theory of matter radiation interaction and A and B coefficients, amplification of light by population inversion, pumping schemes, different types of lasers: gas lasers (He-Ne, CO₂), solid-state lasers (ruby, Neodymium), semiconductor lasers; Properties of laser beams: mono-chromaticity, coherence, directionality and brightness, applications of lasers.

Text/Reference books

1. P.K. Diwan, Applied Physics for Engineers, *Wiley India Pvt. Ltd., India*
2. S.P. Taneja, Modern Physics for Engineers, *R. Chand & Company Ltd., India*
3. N. Subrahmanyam, B.Lal, M.n. Avadhanulu, A Textbook of Optics, *S. Chand & Company Ltd., India*
4. A. Ghatak, Optics, *McGraw Hill Education (India) Pvt. Ltd., India.*
5. E. Hecht, A.R. Ganesan, Optics, *Pearson India Education Services Pvt. Ltd., India.*

Note: The paper setter will set the paper as per the question paper templates provided.

B. Tech (3rd Semester) Aeronautical Engineering							
B24-AER-201 Introduction to Aeronautical Engineering							
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	1	-	4	70	30	100	3 h
Purpose	To familiarize the basic principle of aviation, flight & aircraft propulsion. Also understand various flight controls and dynamics of the aircraft.						
Course Outcomes							
CO1	Understand the history, basic principle of aviation, trends in aerospace Industry.						
CO 2	Understand the basics of flight & aircraft propulsion.						
CO 3	Understand the various flight controls and dynamics of aircraft.						
CO4	Understand different systems of an aircraft.						

UNIT-I

Introduction to Aircrafts: History of aviation; History of Indian Aviation Sector, History of Unmanned Air Vehicles, Basic components of an aircraft; structural members; Helicopters, their parts and functions.

Introduction to Military Aircraft, Transport Aircraft, Unmanned Aircraft, Classification of aircraft and space vehicles, Classification and Applications of Unmanned Air Vehicles, global and Indian Aircraft scenario. Aircraft materials.

UNIT-II

Basic principles of flight: International standard atmosphere and its properties; significance of speed of sound; Mach number, airspeed and groundspeed; Bernoulli's theorem and derivation for Bernoulli's equation, measurement of airspeed; aerofoil nomenclature, Types of Aerofoils, forces acting on Aerofoil, pressure distribution over aerofoil. Centre of pressure, Aerodynamic center, Aspect Ratio, Introduction to Lift and drag components.

Circulation and its effects. Magnus effect and Kutta condition, Introduction to wind tunnel testing. Introduction to rotary wing and flapping wing aerodynamics. Introduction to Boundary layer, Types and effect of boundary layer.

UNIT-III

Aircraft Propulsion: Classification of Aircraft power plants, Aircraft power plants – basic principles of piston & jet engines and Rocket engine, Brayton cycle and its application to gas turbine engines; SFC, TSFC, Specific Impulse, Propulsive Efficiency, Thermal efficiency, Overall efficiency, production of thrust by propellers and jets.

Introduction to Rocket and Missile propulsion.

UNIT-IV

Aircraft Performance and Stability: Phases of flight, Steady level flight, stalling speed, High lift Devices, Thrust and power curves, Excess power, Range and endurance, Introduction to maneuver and accelerated flight performance.

Aircraft axis system; aircraft motions; static and dynamic stability; longitudinal, lateral and directional static stability; Numerical on trim conditions, Effect of wings and Tail configurations on static stability. Introduction to transonic and supersonic flight.

Text Books:

1. John D. Anderson, "Introduction to Flight", McGraw-Hill Education, 2011. ISBN 9780071086059.
2. Lalit Gupta and O P Sharma, "Fundamentals of Flight Vol-I to Vol-IV", Himalayan Books, 2006, ISBN-13: 978-8170020974

Reference Books:

1. Nelson R.C., "Flight stability and automatic control", McGraw-Hill International Editions, 1998. ISBN 9780071158381.
2. Ian Moir, Allan Seabridge, "Aircraft Systems: Mechanical, Electrical and Avionics Subsystems Integration", John Wiley & Sons, 2011. ISBN 978111965006.
3. Sutton G.P., "Rocket Propulsion Elements", John Wiley, New York, 8th Ed., 2011; ISBN: 1118174208, 9781118174203.

Note: The paper setter will set the paper as per the question paper templates provided.

B. Tech (3 rd Semester) Aeronautical Engineering							
B24-BSC-203							
MATHEMATICS-III							
[For Mechanical, Aeronautical, Electrical & Comp. Sc. Engg. students only]							
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	1	-	4	70	30	100	3 h
Purpose	To familiarize the prospective students with Laplace Transform to solve the differential equations and how to apply the principles of probability & statistics to model and analyze various phenomena in fields like finance, economics, and engineering, aiding in making informed decisions and predicting outcomes.						
Course Outcomes							
CO1	Introduction about the concept of Laplace transform and how it is useful in solving the definite integrals and initial value problems.						
CO 2	To introduce the fundamental concepts of probability to analyze and predict outcomes in real-life situations.						
CO 3	Probability theory provides models of probability distributions (theoretical models of the observable reality involving chance effects) to be tested by statistical methods which have various engineering applications.						
CO4	To make the students familiar about basic statistics including measures of central tendency, measures of dispersion, correlation, and regression.						

UNIT-I

(08 Hrs)

Laplace Transform: Introduction, Laplace Transform of Elementary Functions, Basic properties of Laplace Transform, Laplace transform of periodic functions, finding inverse Laplace transform by different methods, Convolution theorem, solving ordinary differential equations by Laplace Transform method.

UNIT-II

(10 Hrs)

Basic Probability: Introduction, additive law of probability, Conditional Probability, Independent Events, Bayes' Theorem.

Random Variables: Discrete random variables, probability distribution, Probability mass function and distribution function, Expectation, Moments, Variance and standard deviation of discrete random variables.

UNIT-III

(10 hrs)

Continuous Probability distribution:

Continuous random variables, probability distribution, Probability density function and distribution function, Expectation, Moments, Variance and standard deviation of Continuous random variables. Probability distributions: Binomial, Poisson and Normal - evaluation of statistical parameters for these three distributions.

UNIT-IV

(12 hrs)

Basic Statistics:

Measures of Central tendency: Mean, median, quartiles, mode, Geometric mean, Harmonic mean,

Measures of dispersion: Range, Quartile deviation, mean deviation, standard deviation, coefficient of variation, Moments, Skewness and Kurtosis, Correlation, Coefficient of correlation, methods of calculations, Lines of regression.

Suggested Books:

1. Erwin Kreyszig, Advanced Engineering Mathematics, 9th Edition, John Wiley & Sons, 2006.
2. P. G. Hoel, S. C. Port and C. J. Stone, Introduction to Probability Theory, Universal Book Stall, 2003
3. S. Ross, A First Course in Probability, 6th Ed., Pearson Education India, 2002.
4. W. Feller, An Introduction to Probability Theory and its Applications, Vol. 1, 3rd Ed., Wiley, 1968.
5. N.P. Bali and Manish Goyal, A textbook of Engineering Mathematics, Laxmi Publications, Reprint, 2010.
6. Ramana B.V., Higher Engineering Mathematics, Tata McGraw Hill New Delhi, 11th Reprint, 2010.
7. B.S. Grewal, Higher Engineering Mathematics, Khanna Publishers, 36th Edition, 2010.
8. Veerarajan T., Engineering Mathematics (for semester III), Tata McGraw-Hill, New Delhi, 2010.

The paper setter will set the paper as per the question paper templates provided.

B. Tech (3 rd Semester) Aeronautical Engineering							
B24-AER-203 Propulsion-I							
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	1	-	4	70	30	100	3 h
Purpose	To familiarize the basic principle of aviation, flight & aircraft propulsion. Also understand various flight controls and dynamics of the aircraft.						
Course Outcomes							
CO1	Comparison between ideal cycles and practical cycles						
CO 2	Mathematical analysis of jet propulsion cycles						
CO 3	Understanding the centrifugal compressor						
CO4	Introduction to axial flow compressors						

Unit – I

Ideal cycles and their analysis: Assumptions, simple gas turbine cycle, cycles with heat exchange, reheat and inter-cooling and their combinations, comparison of various cycles, Ericsson Cycle.

Practical cycles and their analysis: Assumptions, stagnation properties, compressor and turbine efficiency, pressure losses, heat exchanger effectiveness, effect of varying mass flow and variable specific heat, mechanical losses and losses due to incomplete combustion, cycle efficiency, poly-tropic efficiency, actual cycle performance.

Unit-II

Jet propulsion cycles and their analysis: Propeller engines, gas turbine engines, Ramjet, Pulse Jet, Turboprop and Turbojet engines, analysis of turbofan engines, Thrust and thrust equation, specific thrust of the turbojet engine, efficiencies, parameters affecting flight performance, thrust augmentation.

Unit-III

Centrifugal Compressor: Essential parts, principle of operation, ideal energy transfer, blade shapes and velocity triangles, flow analysis through the compressor, diffuser, volute casing, performance parameters, losses in centrifugal compressors, compressor characteristics, surging and choking.

Unit-IV

Axial flow compressors: Historical background, geometry and working principle, stage velocity triangles, work done factor, h-s diagram, stage efficiency, performance coefficients, degree of reaction, flow through blade rows, flow losses, stage losses, pressure rise calculation in blade ring, performance characteristics, comparison with centrifugal compressors.

Text Book:

1. Gas Turbines, V Ganesan, McGraw Hill.
2. Gas Turbine Theory, H. Cohen, GFC Rogers and HHH Saravanamuttoo, Pearson.

Suggested Books:

1. Gas Turbine, Jet and Rocket Propulsion, Mathur, M.L. and Sharma, R.P., Standard Publishers & Distributors.
2. Aero thermodynamics of Aircraft Engine Components, G.C. Oates, AIAA Education Series.

Note: The paper setter will set the paper as per the question paper templates provided.

B. Tech (3 rd Semester) Aeronautical Engineering							
MECHANICS OF SOLIDS-I [For Aeronautical, Mechanical students only]							
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	1	-	4	70	30	100	3 h
Purpose	The objective of this course is to make the students aware of Stress, Strain and deformation of solids with the applications to beams, shafts and column and struts. The course will help the students to build the fundamental concepts in order to solve engineering problems.						
Course Outcomes							
CO1	Apply fundamental principles of mechanics & principles of equilibrium to simple and practical problems of engineering, determine centroid and moment of inertia of different geometrical shapes and be able to understand its importance. Explain the basic concepts of stress and strain and solve the problems.						
CO 2	Determine and calculate the values of principal stresses on 2-D inclined planes. Understand the concepts of shear force and bending moment of beams. Able to construct shear force and bending moment diagrams for beams under different loading conditions.						
CO 3	Understand the concept of torsion of circular shaft and be able to solve the problems on torsion of circular shaft. Illustrate and solve the problems on bending and shear stresses on beams.						
CO4	Understand the concept of column and strut and be able to solve the problems. Derive the concept of slope and deflection and solve the problems on slope and deflection using different methods.						

Unit – I

Introduction: Force, types of forces, Characteristics of a force, System of forces, Composition and resolution of forces, forces in equilibrium, principle and laws of equilibrium, Free body diagrams, Lami's Theorem, conditions for equilibrium, Concept of centre of gravity and centroid of various shapes: Triangle, circle, semicircle and trapezium, theorem of parallel and perpendicular axes, moment of inertia of simple geometrical figures, polar moment of inertia. Numerical Problems.

Simple Stresses & Strains: Different types of stresses and strains, Poisson's ratio, stresses and strain in simple and compound bars under axial loading, stress strain diagrams, Hook's law, elastic constants & their relationships, temperature stress & strain in simple & compound bars under axial loading, Numerical problems.

Unit-II

Principle Stresses: Two-dimensional stress systems, stress at a point on an inclined plane, principal stresses and principal planes, Mohr's circle of stresses, Numerical Problems.

Shear Force & Bending Moments: Definitions, SF & BM diagrams for cantilevers, simply

supported beams with or without over-hang and calculation of maximum BM & SF and the point of contraflexure under (i) concentrated loads, (ii) uniformly distributed loads over whole span or a part of it, (iii) combination of concentrated loads and uniformly distributed loads, (iv) uniformly varying loads and (v) application of moments, relation between the rate of loading, the shear force and the bending moments, Numerical Problems.

Unit-III

Torsion of Circular Members: Derivation of equation of torsion, Solid and hollow circular shafts, tapered shaft, stepped shaft & composite circular shafts, Numerical problems.

Flexural and Shear Stresses – Theory of simple bending, Assumptions, derivation of equation of bending, neutral axis, determination of bending stresses, section modulus of rectangular & circular (solid & hollow), I,T, Angle, channel sections, composite beams, shear stresses in beams with derivation, shear stress distribution across various beam sections like rectangular, circular, triangular, I, T, angle sections. Combined bending and torsion, equivalent torque, Numerical problems.

Unit-IV

Columns & Struts: Column under axial load, concept of instability and buckling, slenderness ratio, derivation of Euler's formula for crippling load for columns with different end conditions, concept of equivalent length, eccentric loading, Rankine formulae and other empirical relations, Numerical problems.

Slope & Deflection: Relationship between bending moment, slope & deflection, double integration method, Macaulay's method, calculations for slope and deflection of (i) cantilevers and (ii) simply supported beams with or without overhang under concentrated load, uniformly distributed loads or combination of concentrated and uniformly distributed loads, Numerical problems.

Text Books:

1. Strength of Materials – R.K. Rajput, Dhanpat Rai & Sons.
2. Strength of Materials – Sadhu Singh, Khanna Publications.
3. Strength of Materials – R.K. Bansal, Laxmi Publications.
4. Strength of Materials – D.S. Bedi, Khanna Publications.

Reference Books:

1. Strength of Materials – Popov, PHI, New Delhi.
2. Strength of Materials – Robert I. Mott, Pearson, New Delhi
3. Strength of Material – Schaum's Outline Series – McGraw Hill

Note: The paper setter will set the paper as per the question paper templates provided.

B. Tech (3 rd Semester) Aeronautical Engineering							
ENGINEERING THERMODYNAMICS [For Aeronautical, Mechanical students only]							
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	1	-	4	70	30	100	3 h
Purpose	The objective of this course is to make the students aware of Energy, Entropy, and Equilibrium, various laws of thermodynamics, concepts and principles. The course will help the students to build the fundamental concepts to apply in various applications like IC engines and Air conditioning systems.						
Course Outcomes							
CO1	Analyse the work and heat interactions associated with a prescribed process path and to perform an analysis of a flow system.						
CO 2	Define the fundamentals of the first and second laws of thermodynamics and explain their application to a wide range of systems.						
CO 3	Evaluate entropy changes in a wide range of processes and determine the reversibility or irreversibility of a process from such calculations.						
CO4	Understand the design and analysis of flow through steam nozzles. Solve the problems related to vapour power cycle and steam nozzle.						

Unit – I

Basic Concepts: Thermodynamics: Macroscopic and Microscopic Approach, Thermodynamic Systems, Surrounding and Boundary, Thermodynamic Property – Intensive and Extensive, Thermodynamic Equilibrium, State, Path, Process and Cycle, Quasi-static, Reversible and Irreversible Processes, Working Substance. Concept of Thermodynamic Work and Heat, Zeroth Law of Thermodynamics and its utility.

First Law of Thermodynamics: Energy and its Forms, Energy and 1st law of Thermodynamics, Internal Energy and Enthalpy, 1st Law Applied to Non-Flow Process, Steady Flow Process and Transient Flow Process, Throttling Process and Free Expansion Process.

Unit-II

Second Law of Thermodynamics: Limitations of First Law, Thermal Reservoir Heat Source and Heat Sink, Heat Engine, Refrigerator and Heat Pump, Kelvin- Planck and Clausius Statements and Their Equivalence, Perpetual Motion Machine of Second Kind. Carnot Cycle, Carnot Heat Engine and Carnot Heat Pump, Carnot's Theorem and its Corollaries, Thermodynamic Temperature Scale, Numericals.

Entropy: Clausius Inequality and Entropy, Principle of Entropy Increase, Temperature-Entropy Plot, Entropy Change in Different Processes, Introduction to Third Law of thermodynamics.

Unit-III

Availability, Irreversibility and Equilibrium: High and Low Grade Energy, Available Energy and Unavailable Energy, Loss of Available Energy Due to Heat Transfer Through a Finite Temperature Difference, Availability of a Non-Flow or Closed System, Availability of a Steady Flow System, Helmholtz and Gibb's Functions, Effectiveness and Irreversibility, Thermodynamic Relations.

Pure Substance: Pure Substance and its Properties, Phase and Phase Transformation, Vaporization, Evaporation and Boiling, Saturated and Superheated Steam, Solid – Liquid – Vapour Equilibrium, T-V, P-V and P-T Plots During Steam Formation, Properties of Dry, Wet and Superheated Steam, Property Changes During Steam Processes, Temperature – Entropy (T-S) and Enthalpy – Entropy (H-S) Diagrams, Throttling and Measurement of Dryness Fraction of Steam.

Unit-IV

Vapour Power Cycles: Simple and modified Rankine cycle; effect of operating parameters on Rankine cycle performance; effect of superheating; effect of maximum pressure; effect of exhaust pressure; reheating and regenerative Rankine cycle; types of feed water heater; reheat factor; binary vapour cycle.

Steam Nozzle: Function of steam nozzle; shape of nozzle for subsonic and supersonics flow of stream; variation of velocity; area of specific volume; steady state energy equation; continuity equation; nozzle efficiency; critical pressure ratio for maximum discharge; physical explanation of critical pressure; super saturated flow of steam; design of steam nozzle.

Text Books:

1. Engineering Thermodynamics – C P Arora, Tata McGraw Hill
2. Engineering Thermodynamics – P K Nag, Tata McGraw Hill
3. Thermal Engineering- R. K. Rajput, Laxmi Publications

Reference Books:

1. Thermal Science and Engineering – D S Kumar, S K Kataria and Sons
2. Engineering Thermodynamics -Work and Heat transfer – G F C Rogers and Maghew Y R Longman.
3. Thermodynamics – An Engineering Approach; Y. A. Cengel, M. A. Boles; Tata McGraw Hill

Note: The paper setter will set the paper as per the question paper templates provided.

B. Tech (3 rd Semester) Aeronautical Engineering							
PROPULSION LAB							
B24-AER -205	Lecture	Tutorial	Practical	Credits	Practical Exam	Internal Assessment	Time (Hrs.)
	-	-	2	1	60	40	3 h
Purpose	To give the practical knowledge of Propulsion.						
Course Outcomes							
CO	To make the students familiar with the experiments related with Propulsion.						

List of experiments

1. To study the constructional details of axial flow compressor.
2. To study the constructional details of centrifugal compressor.
3. To study of accessory gear box and its construction.
4. To study the constructional details of main fuel pump.
5. To study the constructional details of combustion chamber.
6. To study the constructional details of after burning system.
7. To study the constructional details of piston engines.
8. To study the functioning of complete jet engine.
9. To study the constructional details of propellers.

Suggested Books:

1. Gas Turbines, V Ganesan, McGraw Hill.
2. Gas Turbine Theory, H. Cohen, GFC Rogers and HH Saravanamuttoo, Pearson.

Note: - For better understanding of the experiments, department is also required to utilize the resources available on various websites, digital media & industrial visits etc.

Note: At least eight experiments are required to be performed by students from the above list and two may be performed from the experiments developed by the institute.

B24- MEC -207	MECHANICS OF SOLIDS LAB						
Lecture	Tutorial	Practical	Credits	Practical Exam	Internal Assessment	Total	Time (Hrs.)
-	-	2	1	60	40	100	3 h
Purpose	To make the students aware of different properties of materials using different experimental set-up.						
Course Outcomes							
CO1	Ability to design and conduct experiments, acquire data, analyse and interpret data.						
CO2	Ability to determine the behaviour of ferrous metals subjected to normal and shear stresses by means of experiments.						
CO3	Ability to determine the behaviour of structural elements, such as bars subjected to tension, compression, shear, bending, and torsion by means of experiments.						
CO4	Physical insight into the behaviour materials and structural elements, including distribution of stresses and strains, deformations and failure modes.						
CO5	Write individual and group reports: present objectives, describe test procedures and results, synthesize and discuss the test results.						

List of experiments

1. To study the Brinell hardness testing machine & perform the Brinell hardness test on given specimen.
2. To study the Rockwell hardness testing machine & perform the Rockwell hardness test on a given specimen.
3. To study the Vickers hardness testing machine & perform the Vickers hardness test on a given specimen.
4. To study the Erichsen sheet metal testing machine & perform the Erichsen sheet metal test on a given specimen.
5. To study the Impact testing machine and perform the Impact tests (Izod & Charpy) on a given specimen.
6. To study the Universal testing machine and perform the tensile, compression & bending tests on a given specimen.
7. To perform the shear test on UTM on a given specimen.
8. To study the torsion testing machine and perform the torsion test on a given specimen.
9. To draw shear Force, Bending Moment Diagrams for a simply Supported Beam under point and distributed Loads.
10. To prepare the composite specimen using a hot compression moulding machine and test for different mechanical properties.

Note: At least eight experiments are required to be performed by students from the above list and two may be performed from the experiments developed by the institute.

B. Tech (3 rd Semester) Aeronautical Engineering							
ENVIRONMENTAL STUDIES							
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	-	-	1	70	30	100	3 h
Course Outcomes							
CO1	Students will be able to understand the importance of natural resources.						
CO 2	Students will understand the concept of an ecosystem, its structure, and its functions.						
CO 3	The students will be able to understand the causes and impacts of various environmental pollution.						
CO4	Students will be able to understand the relationship between human population and the environment.						

Unit – I

Introduction to Environmental studies: The Multidisciplinary nature of environmental studies Definition; Scope and importance, Need for public awareness.

Natural Resources: Forest resources: Use and Over-exploitation, deforestation. Timber extraction, mining, dams, and their effects, Water resources: Use and over-utilization of surface and groundwater, conflicts over water, dams benefits and problems, Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, Food resources: changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, Energy resources: renewable and non-renewable energy sources, Land resources: land degradation, soil erosion, and desertification.

Unit-II

Ecosystems: Concept of an ecosystem, Structure, and function of an ecosystem, Energy flow in the ecosystem, Ecological succession, Food chains, food webs, and ecological pyramids. Major types of ecosystem-Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystem.

Biodiversity and its Conservation: Introduction-Definition: genetic, species, and ecosystem diversity. Biogeographical classification of India, Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values, India as a mega-diversity nation, Hot-spots of biodiversity, Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, Endangered and endemic species of India, Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

Unit-III

Environmental pollution: Causes, effects, and control measures of: - Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, nuclear hazards, and Solid waste Management: Causes, effects, and control measures of urban and industrial wastes, Disaster management: floods, earthquake, cyclone and landslides.

Social Issues and the Environment: Sustainable development, Water conservation, rainwater harvesting, Resettlement and rehabilitation of people; its problems and concerns. Environmental ethics: Issues and possible solutions, Climate change, global warming, acid rain, ozone layer depletion, and wasteland reclamation. Environment Protection Act, Air (Prevention and Control of Pollution) Act, Water (Prevention and Control of Pollution) Act, Wildlife Protection Act., and Forest Conservation Act.

Unit-IV

Human population and the Environment: Population growth, Population Explosion-Family welfare Programme, Environment and human health. Human Rights, Value Education, HIV/AIDS, Women and Child Welfare, Role of Information Technology in Environment and human health, Drugs and their effects; Useful and harmful drugs; Use and abuse of drugs; Stimulant and depressant drugs. Concept of drug de-addiction. Legal position on drugs and laws related to drugs.

Field Work (Practical)-

- Visit to a local area to document environmental assets -river/forest/grassland/ hill/mountain.
- Visit to a local polluted site- Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, and birds.
- Study of simple ecosystems- pond, river, hill slopes, etc.

Suggested readings:

1. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.
2. Kaushik, Anubha and Kaushik, C.P. (2004 Perspectives in Environmental Studies, New age International Publishers.
3. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad - 380013, India, Email: mapin@icenet. net (R).
4. Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p.
5. Clerk B.S., Marine Pollution, Clanderson Pross Oxford (TB).
6. Cunningham, W.P.Cooper, T.H. Gorhani, E & Hepworth, M.T.2001, Environmental Encyclopedia, Jaico Publ. House, Mumbai, 1196p.
7. De A.K., Environmental Chemistry, Wiley Eastern Ltd.
8. Down to Earth, Centre for Science and Environment (R).

Note: The paper setter will set the paper as per the question paper templates provided.

B. Tech (4 th Semester) Aeronautical Engineering							
B24-ESC-202	MATERIALS ENGINEERING [For Aeronautical, Mechanical students only]						
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	-	-	3	70	30	100	3 h
Purpose	To develop capacity to identify crystal structure, designate various steels, create phase diagrams, analyse material failure mechanisms, perform heat treatment, study green energy materials and basic functioning of sophisticated material characterization techniques. with overall objective of developing the understanding of microstructure-property relations.						
Course Outcomes							
CO1	Students will be able to identify and differentiate various types of the crystal structures and deformation mechanisms in various materials						
CO 2	Students will be able to designate various types of steels as per BIS and AISI-SAE standard specifications of steels						
CO 3	Students will be able to draw various types of phase diagrams, Fe-C diagram and TTT curve.						
CO4	Students will be able to classify heat treatment processes and will be able to select suitable heat treatment process for any industrial application.						
CO5	Students will be able to explain various mechanisms of deformation and failure mechanisms like Creep and Fatigue						
CO6	Students will be able to study various materials used for green energy production						
CO7	Students will be able to explain the basic principles involved in the working of various types of material characterization techniques and will develop the capability to select a particular material characterization process for any given application.						

Unit – I

Crystallography: Review of Crystal Structure, Space Lattice, Co-ordination Number, Number of Atoms per Unit Cell, Atomic Packing Factor; Numerical Problems Related to Crystallography.

Imperfection in Metal Crystals: Crystal Imperfections and their Classifications, Point Defects, Line Defects, Edge & Screw Dislocations, Surface Defects, Volume Defects.

Introduction to Engineering materials and Standard Materials Designation: Introduction to Engineering materials, Steel Terminology, Indian Standard specifications for steels as per BIS: Based on *Ultimate Tensile Strength* and based on *Composition*, AISI-SAE standard designation for Steels and Aluminium Alloys.

Unit-II

Phase Diagrams: Basic concepts and terms, Alloy Systems, Solid solutions, Hume- Rothery's Rules, Phase Diagrams, Gibbs Phase Rule, Cooling curves, Binary phase diagrams, The Lever

Rule, Applications of Phase Diagrams, Phase Transformation, Allotropic Forms of Iron, Micro- constituents of Fe-C system, Iron-iron carbide phase diagram, Modified Iron Carbon Phase Diagrams, Isothermal Transformation, TTT Curve, CCT curve.

Heat Treatment: Heat treatment of steels, Annealing, Normalising, Hardening, Tempering, Ageing, Aus tempering and Martempering, Surface hardening and Case hardening processes, Major Defects in Metals or Alloys due to faulty Heat treatment.

Unit-III

Deformation of Metal: Elastic and Plastic Deformation, *Mechanism of Plastic Deformation:* Slip; Critical Resolved Shear Stress, Twinning, Conventional and True Stress Strain Curves for Polycrystalline Materials, Yield Point Phenomenon, Bauschinger Effect, Work Hardening.

Fatigue Failure of Materials: Fatigue, fatigue-failure models, Fatigue loads, Mechanism of Fatigue Failure, Theories of Fatigue, Factors affecting fatigue, SN diagram, Fatigue Life calculations, Fatigue Tests.

Creep: Creep Curve, Types of Creep, Factors affecting Creep, Mechanism of Creep, Creep Resistant Material, Creep Tests, Improving creep resistance.

Unit-IV

Materials for green energy: Biodiesel, Bioethanol, Production methods of Biofuels; Overview of key fuel cell technologies- various types of fuel cells, materials for electrodes, electrolytes and other components, working mechanisms, hydrogen generation and storage; limitations, recent progress in fuel cells.

Materials Characterization Techniques: Characterization techniques such as X-Ray Diffraction (XRD), Scanning Electron Microscopy (SEM), Energy dispersive X-ray spectroscopy (SEM-EDX), Transmission Electron Microscopy (TEM), Atomic force microscopy (AFM), Scanning tunnelling microscopy (STM).

Text Books:

1. Fundamentals of Material Science and Engineering by W. D. Callister, Wiley.
2. Material science and metallurgy by O.P Khanna, Dhanpat Rai Publication.
3. Material Science by S.L. Kakani, New Age Publishers.
4. The Science and Engineering of Materials by Donald R. Askeland , Chapman & Hall.
5. Material Science by Narula, TMH.
6. Machine Design by Robert Norton, Pearson.
7. Phase Transformation in Metals and Alloys by D. A. Porter & K. E. Easterling
8. Fuel Cell Systems Explained by Larminie and A. Dicks, , 2nd Edition, Wiley.

9. Principles of Fuel Cells by Xianguo Li, Taylor and Francis.
10. Fuel Cells: From Fundamentals to Applications by S. Srinivasan, Springer.
11. Fundamental of Light Microscopy and Electronic Imaging by Douglas B. Murphy, Kindle Edition 2001.
12. Concise Encyclopedia of Materials Characterization by Robert Cahn, 2nd Edition (Advances in Materials Science and Engineering) Elsevier Publication 2005.

Note: The paper setter will set the paper as per the question paper templates provided.

B. Tech (4 th Semester) Aeronautical Engineering							
B24- MEC-202							
FLUID MECHANICS AND MACHINES [For Aeronautical, Mechanical students only]							
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
4	1	-	5	70	30	100	3 h
Purpose	To build a fundamental understanding of concepts of Fluid Mechanics and their application in rotodynamic machines						
Course Outcomes							
CO1	The students will be able to understand the basic concepts of fluid statics, kinematics and dynamics; and apply mass and momentum conservation laws to mathematically analyze simple flow situations.						
CO 2	The students will be able to understand laminar, turbulent and boundary layer flows and solve problems for the same						
CO 3	The students will be able to apply dimensional analysis to simple flow problems and understand the basics of hydraulic machines						
CO4	The students will be able to design and evaluate the performance of hydraulic turbines and pumps.						

Unit – I

Fluid Statics: Properties of fluids, Newton’s law of viscosity, hydrostatic law, hydrostatic forces on submerged plane and curved surfaces, buoyancy, stability of floating and submerged bodies, Problems.

Fluid Kinematics: Types of fluid flows, stream, streak and path lines; flow rate and continuity equation, differential equation of continuity in cartesian and polar coordinates, rotation and vorticity, circulation, stream and potential functions, flow net. Problems.

Fluid Dynamics: Concept of system and control volume, Euler’s equation, Navier-Stokes equation, Bernoulli’s equation and its practical applications, Impulse momentum equation. Problems.

Unit-II

Viscous Flow: Flow regimes and Reynold’s number, relationship between shear stress and pressure gradient. Exact flow solutions, Couette and Poiseuille flow, laminar flow through circular conduits. Problems.

Turbulent Flow Through Pipes: Darcy Weisbach equation, friction factor, Moody’s diagram, minor losses in pipes, hydraulic gradient and total energy lines, series and parallel connection of pipes, branched pipes; equivalent pipe, power transmission through pipes. Problems.

Boundary Layer Flow: Concept of boundary layer, measures of boundary layer thickness, Blasius solution, von-Karman momentum integral equation, laminar and turbulent boundary layer flows, separation of boundary layer and its control. Problems.

Unit-III

Dimensional Analysis: Need for dimensional analysis – methods of dimensional analysis – Dimensionless parameters – application of dimensionless parameters. Problems.

Hydraulic Pumps: Introduction, theory of Rotodynamic machines, Classification, various efficiencies, velocity components at entry and exit of the rotor, velocity triangles; Centrifugal pumps: working principle, work done by the impeller, performance curves, cavitation in pumps; Reciprocating pumps: working principle, indicator diagram, effect of friction and acceleration, air vessels, Problems.

Unit-IV

Hydraulic Turbines: Introduction, Classification of water turbines, heads and efficiencies, velocity triangles, axial, radial and mixed flow turbines, Pelton wheel, Francis turbine and Kaplan turbines, working principles, work done, design of turbines, draft tube and types, specific speed, unit quantities, performance curves for turbines, governing of turbines. Problems.

Text Books:

1. Fluid Mechanics and Fluid Power Engineering – D.S. Kumar, S.K. Kataria and Sons
2. Introduction to Fluid Mechanics and Fluid Machines – S.K. Som and G. Biswas, Tata McGraw Hill.
3. Fluid Mechanics and Fluid Machines - S.S. Rattan, Khanna Publishing House.
4. Fluid Mechanics and Hydraulic Machines – R. K. Rajput, S. Chand & Company

Reference Books:

1. Introduction to Fluid Mechanics – R.W. Fox, Alan T. McDonald, P.J. Pritchard, Wiley Publications.
2. Fluid Mechanics – Frank M. White, McGraw Hill
3. Fluid Mechanics – Streeter V L and Wylie E B, Mc Graw Hill
4. Mechanics of Fluids – I H Shames, Mc Graw Hill
5. Fluid Mechanics: Fundamentals and Applications - Yunus Cengel and John Cimbala, McGraw Hill.
6. Fluid Mechanics: Pijush K. Kundu, Ira M. Cohen and David R. Rowling, Academic Press.

Note: The paper setter will set the paper as per the question paper templates provided.

B. Tech (4 th Semester) Aeronautical Engineering							
AIRCRAFT STRUCTURE-I [For Aeronautical students only]							
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	1	-	4	70	30	100	3 h
Purpose	To understand, analyse, derive and calculate various parameters of mechanical vibration systems with different degrees of freedom in different modes and conditions and to understand the basics of tribology.						
Course Outcomes							
CO1	Students will be able to understand the vibration fundamentals for a single degree of freedom system under free and damped vibrations, various spring/ shaft combinations and will also be able to solve mathematical problems based on the same.						
CO 2	Students will be able to analyse different types of single degree of freedom forced vibration systems and damped, undamped, free and forced systems with two D.O.F. and will also be able to solve mathematical problems based on the same.						
CO 3	Students will be able to evaluate frequencies and principal modes of vibrations for various spring-mass combinations and rotor-shaft systems and will be able to derive frequency expressions for continuous systems viz. transverse, longitudinal and torsional vibration for beams, bars and shafts respectively and will also be able to solve mathematical problems based on the same.						
CO4	Students will be able to understand the fundamentals of tribology, lubrication, friction and wear.						

Unit – I

Fundamentals: Introduction, elements of a vibratory system, periodic and S.H.M., degrees of freedom (DOF), types of vibrations, work done by a harmonic force, beats, Problems.

Free vibration systems with single degree of freedom undamped systems: Introduction, differential equations, torsional vibrations, spring and shaft combinations: series & parallel, linear and torsional systems, compound pendulum, bifilar and trifilar suspensions, problems.

Free vibration systems with single degree of freedom damped systems: Introduction, types of damping, differential equations of damped free vibrations, initial conditions, logarithmic decrement, vibrational energy, Problems.

Unit-II

Forced vibration systems with single degree of freedom damped systems: Introduction, excitation and sources, equations of motion, rotating and reciprocating unbalanced system, support motion, vibration isolation, force and motion transmissibility, forced vibration system with different types of damping, vibration measuring instruments, resonance, bandwidth, quality factor and half power points, critical speed of shaft with and without damping with single and multiple discs, problems.

Two degrees of freedom system: Introduction, torsional vibrations, principal modes of vibrations for two D.O.F., damped and undamped forced and free vibrations, semi-definite systems, coordinate coupling, spring and mass type vibration absorber, problems.

Unit-III

Multi-degree of freedom systems: Introduction, principal modes of vibrations for three or more DOF, influence coefficients, orthogonality principle, matrix method, matrix iteration method, Dunkerley's equation, Holzer's Method, Rayleigh Method, Stodola method, problems.

Continuous systems: Introduction, lateral vibrations of strings, longitudinal vibrations of bars, transverse vibration of beams, torsional vibration of uniform shafts, problems.

Unit-IV

Tribology: Introduction, tribology in design, tribology in industry, economic aspects.

Lubrication: Introduction, basic modes of lubrication, lubricants, properties of lubricants: physical and chemical, types of additives, extreme pressure lubricants, recycling of used oils and oil conservation, disposal of scrap oil, oil emulsion.

Friction and wear: Introduction, laws of friction, kinds of friction, causes of friction, friction measurement, theories of friction, effect of surface preparation. Introduction to wear, types of wear, various factors affecting wear, measurement of wear, wear between solids and liquids, theories of wear.

Text Books:

1. Mechanical Vibrations by G. K. Grover, Nem Chand and Bros., Roorkee.
2. Elements of Mechanical Vibrations by Meirovitch, McGraw Hill.
3. Introductory course on theory and practice of Mechanical Vibration by J.S. Rao and K.Gupta, New Age International.
4. Friction and wear of Materials by E. Robinowicz, Johan Wiley
5. Tribology an Introduction by Sushil Kumar Srivastava
6. Introduction to Tribology and Bearings by B. C. Majumdar, S. Chand and Company Ltd. New Delhi.

Reference Books:

1. Mechanical Vibrations by S.S. Rao, Pearson Education Inc. Dorling Kindersley (India) Pvt. Ltd. New Delhi.
2. Mechanical Vibrations by V.P. Singh, Dhanpat Rai & Co. Pvt. Ltd., Delhi.

3. Engineering Tribology by Prashant Sahoo, PHI publications.

4. Principles of Tribology by J. Hailing, McMillan Press Ltd.

Note: The paper setter will set the paper as per the question paper templates provided.

B. Tech (4 th Semester) Aeronautical Engineering							
MECHANICS OF SOLID-II [For Aeronautical, Mechanical students only]							
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	1	-	4	70	30	100	3 h
Purpose	The objective of this course is to show the concept of strain energy and different stresses in springs, pressure vessels, rotating rims/discs, links, curved bars under different loads. The course will help the students to build the fundamental concepts in order to solve engineering problems.						
Course Outcomes							
CO1	Understand the concepts of strain energy and various theories of failures and solve the problems.						
CO 2	Differentiate different types of stresses induced in thin and thick pressure vessels and solve the problems. Use of Lamé's equation to calculate the stresses induced in thick pressure vessels.						
CO 3	Able to compute stresses in ring, disk and cylinder due to rotation. Classify the different types of spring and analyse the stresses produced due to loading.						
CO4	Determine the stresses in crane hook, rings, chain link for different cross sections and also the deflection of curved bars and rings. Analyse the stresses due to unsymmetrical bending and determine the position of shear centre for different sections.						

Unit – I

Strain Energy & Impact Loading: Definitions, expressions for strain energy stored in a body when load is applied (i) gradually, (ii) suddenly and (iii) with impact, strain energy of beams in bending, beam deflections, strain energy of shafts in twisting, energy methods in determining spring deflection, Castigliano's theorem, Numerical.

Theories of Elastic Failures: Various theories of elastic failures with derivations and their limitations, comparisons and applications to problems of 2- dimensional stress system, Numerical.

Unit-II

Thin-Walled Vessels: Hoop & Longitudinal stresses & strains in cylindrical & spherical vessels & their derivations under internal pressure, wire wound cylinders, Numerical.

Thick Cylinders & Spheres: Derivation of Lamé's equations, radial & hoop stresses and strains in thick and compound cylinders and spherical shells subjected to internal fluid pressure only, hub shrunk on a solid shaft, Numerical.

Unit-III

Rotating Rims & Discs: Stresses in uniform rotating rings & discs, rotating discs of uniform strength, stresses in (i) rotating rims, neglecting the effect of spokes, (ii) rotating cylinders, hollow cylinders & solid cylinders. Numerical.

Springs: Stresses in closed coiled helical springs, Stresses in open coiled helical springs subjected to axial loads and twisting couples, leaf springs, flat spiral springs, concentric springs, Numerical.

Unit-IV

Bending of Curved Bars: Stresses in bars of initial large radius of curvature, bars of initial small radius of curvature, stresses in crane hooks, rings of circular & trapezoidal sections, deflection of curved bars & rings, stresses in simple chain links, deflection of simple chain links, Problems.

Unsymmetrical Bending: Introduction to unsymmetrical bending, stresses due to unsymmetrical bending, deflection of beam due to unsymmetrical bending, shear centre for angle, channel, and I- sections, Numerical.

Text Books:

1. Strength of Materials – R.K. Rajput, Dhanpat Rai & Sons.
2. Strength of Materials – Sadhu Singh, Khanna Publications.
3. Strength of Materials – R.K. Bansal, Laxmi Publications.
4. Strength of Materials – D.S. Bedi, Khanna Publications.

Reference Books:

1. Strength of Materials – Popov, PHI, New Delhi.
2. Strength of Materials – Robert I. Mott, Pearson, New Delhi
3. Strength of Material – Schaum's Outline Series – McGraw Hill
4. Strength of Material – Rider – ELBS

Note: The paper setter will set the paper as per the question paper templates provided.

B. Tech (4 th Semester) Aeronautical Engineering							
AERODYNAMICS-I [For Aeronautical students only]							
Lecture	Tutorial	Practical	Credits	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	-	-	3	70	30	100	3 h
Purpose	To familiarize the students with the fundamentals of Aerodynamics						
Course Outcomes							
CO1	Understanding conformal transformations and its applications						
CO 2	Introduction to the concept inviscid, incompressible and irrotational flows						
CO 3	Understanding the thin air foil theory						
CO4	Introduction to flow over finite wings						

Unit – I

Conformal Transformations: Complex potential function, Blasius theorem, principles of conformal transformation, Kutta -Juokowaski transformation of a circle into flat plate, air foils & ellipses.

Review of basic fluid mechanics: Differential and Integral forms of continuity, momentum and energy equations. Path lines and streamlines, angular velocity, vorticity and strain, circulation, stream function, velocity potential and their relationship.

Unit-II

Inviscid Incompressible flow: Bernoulli's Equation, flow in a duct, pitot tube, pressure coefficient, condition on velocity for incompressible flow, Laplace equation, uniform flow, source flow, flow past a half body and Rankine oval, doublet, non-lifting flow over a circular cylinder, vortex flow, lifting flow over a circular cylinder, Kutta- Joukowski theorem.

Unit-III

Incompressible flow over airfoils: Airfoil nomenclature and characteristics, vortex sheet, Kutta condition, Kelvin's Circulation theorem and the starting vortex, Classical thin airfoil theory- symmetric and cambered airfoils, modern low speed airfoils, flow over an airfoil- the real case, role of airfoil thickness on airplane design.

Unit-IV

Incompressible flow over finite wings: Downwash and induced drag, vortex filament, Biot-Savart Law, Helmholtz theorems, Prandtl's classical lifting line theory, numerical non-linear lifting line method, flow over a delta wing.

Text Book:

1. Fundamentals of Aerodynamics, J. D. Anderson, McGraw Hill.
2. Aerodynamics for Engineers, Bertin and Smith, Prentice Hall.

Suggested Books:

1. Aerodynamics, L. J. Clancey, Pitman.
2. Aerodynamics for engineering students, Houghton EL & Brock AE.

Note: The paper setter will set the paper as per the question paper templates provided.

B. Tech (4 th Semester) Aeronautical Engineering							
MANUFACTURING TECHNOLOGY [For Aeronautical, Mechanical students only]							
Lecture	Tutorial	Practical	Credit	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
3	-	-	3	70	30	100	3 h
Purpose	To build a foundation in different manufacturing processes related to castings, metal forming, joining, powder metallurgy and plastic material shaping processes.						
Course Outcomes							
CO1	After completing the course, students will be able to understand the casting fundamentals, and different casting processes.						
CO 2	The students will be able to understand and analyse the different metal forming processes.						
CO 3	The students will understand different welding processes with their applications.						
CO4	The student will have the basic understanding of powder metallurgy processes and different plastic shaping processes.						

Unit – I

Fundamentals of castings: Introduction to casting; basic requirements of casting processes, casting terminology, solidification process: cooling curves, prediction of solidification time, fluidity and pouring temperature, role of gating system, solidification shrinkage, casting defects.

Expandable-mould casting processes: Sand casting, cores and core making, other expendable-mould processes with multiple use patterns, shakeout, cleaning and finishing.

Multiple-use-mould casting processes: Permanent mould casting, die casting, squeeze casting and semisolid metal casting, centrifugal casting, cleaning, finishing and heat treating of castings, automation in foundry operations.

Unit-II

Metal forming processes: Classifications of metal forming processes, bulk deformation processes, material behaviour in metal forming, temperature in metal forming, rolling: flat rolling, shape rolling, rolling mills, forging: open-die forging, impression-die forging, flashless forging, extrusion: types of extrusion, extrusion dies and presses, defects in extruded products, wire and bar drawing, tube drawing.

Sheet metal working: Cutting operations: shearing, blanking, and punching, engineering analysis of sheet-metal cutting, other sheet-metal-cutting operations, bending operations: v-bending and edge bending, spring back effect, drawing: mechanics of drawing, defects in drawing.

Unit-III

Joining processes: Principles of fusion welding processes, arc welding processes, consumable electrodes: shielded metal arc welding, gas metal arc welding, flux-cored arc welding, submerged arc welding, Arc welding processes-non-consumable electrodes: gas tungsten arc welding, plasma arc welding, resistance welding processes, electron-beam welding, laser beam welding, thermit welding.

Principles of solid-state welding processes: friction welding, explosive welding, ultrasonic welding processes. Brazing, soldering, and adhesive bonding: Principles of adhesive, brazing and soldering processes, origins of welding defects.

Unit-IV

Powder metallurgy: Characterization of engineering powders: geometric features, other features production of metallic powders: atomization: other production methods, conventional pressing and sintering: blending and mixing of the powders, compaction, sintering, heat treatment and finishing, design considerations in powder metallurgy.

Shaping processes for plastics: Properties of polymer melts, extrusion, production of sheet and film, fibre and filament production (spinning), coating processes, injection moulding, compression and transfer moulding, blow moulding and rotational moulding, thermoforming.

Text Books:

1. Fundamentals of modern manufacturing: materials processing and systems by Mikell P. Grover, John Wiley and Sons.
2. Materials and processes in manufacturing by J.T. Black and R.A. Kosher, John Wiley.
3. Principles of Manufacturing Materials & Processes by Campbell J. S., Publisher – Mc Graw.
4. Production Technology by R. K. Jain, Khanna Publishers
5. Manufacturing Technology-Foundry, Forming and Welding by P.N. Rao, Tata McGraw Hill
6. Advanced Manufacturing Process by Hofy, H.E., B and H Publication.
7. Manufacturing Science by Ghosh, A. and Mullik, A, East –West private Limited.

Reference Books:

1. Welding and Welding Technology by Richard L. Little Tata McGraw Hill Ltd.
2. Manufacturing Processes and Systems by Ostwald Phillip F., Munoz Jairo, John Wiley
3. Elements of Manufacturing Processes by B.S. Nagendra Parasher, RK Mittal, PHI N. Delhi
4. Manufacturing Engineering and Technology by Serope Kalpakjian and Steven R. Schmid, Pearson publications.

Note: The paper setter will set the paper as per the question paper templates provided.

B24-ESC-204		MATERIALS ENGINEERING LAB					
Lecture	Tutorial	Practical	Credits	Practical Exam	Internal Assessment	Total	Time (Hrs.)
-	-	2	1	60	40	100	3 h
Purpose	To make the students prudent in metallographically sample preparation, microstructure analysis, basic heat treatment operations and production of Biofuels.						
Course Outcomes							
CO1	Students will have the ability to design and conduct experiments, acquire data, analyse and interpret data						
CO2	Students will have the ability to determine the grain size and microstructure in different Ferrous alloys by means of experiments.						
CO3	Students will have the ability to identify and differentiate microstructures of different Non-Ferrous alloys.						
CO4	Students will be able to perform various heat treatment processes using muffle furnace in the lab.						
CO5	Students will have the ability to analyse microstructure of Heat-treated specimens and perform Fatigue and creep test on different materials.						
CO6	Students will be able to perform lab scale production of Biofuel.						

List of experiments

1. To Study various Crystal Structures through Ball Models.
2. To study the components and functions of Metallurgical Microscope.
3. To learn about the process of Specimen Preparation for metallographic examination.
4. To perform Standard test Methods for Estimation of Grain Size.
5. To perform Microstructural Analysis of Carbon Steels and low alloy steels.
6. To perform Microstructural Analysis of Cast Iron.
7. To perform Microstructural Analysis of Non-Ferrous Alloys: Brass & Bronze.
8. To perform Microstructural Analysis of Non-Ferrous Alloys: Aluminium Alloys.
9. To Perform annealing of a steel specimen and to analyse its microstructure.
10. To Perform Hardening of a steel specimen and to analyse its microstructure.
11. To perform Jominy End-Quench Hardenability Test.
12. To perform Fatigue test on fatigue testing machine.
13. To perform Creep test on creep testing machine.
14. To produce a sample of Biodiesel.
15. To study the functioning of fuel cells.

Note: Any 8 experiments from the above list are required to be performed by students in the laboratory.

B24- MEC-210	FLUID MECHANICS AND MACHINES LAB						
Lecture	Tutorial	Practical	Credits	Practical Exam	Internal Assessment	Total	Time (Hrs.)
-	-	2	1	60	40	100	3 h
Purpose	To familiarize the students with the equipment and instrumentation of Fluid Mechanics and Machines						
Course Outcomes							
CO1	Collect, analyse and interpret data using fluid mechanics principles and experimentation methods.						
CO2	Determine the coefficient of discharge for various flow measurement devices.						
CO3	Calculate flow characteristics such as Reynolds number, friction factor from laboratory measurements.						
CO4	Analyse the performance characteristics of hydraulic pumps and turbines.						
CO5	Write individual and group reports, present objectives, describe test procedures and results, synthesize and discuss the test results.						

List of experiments

1. To determine the meta-centric height of a floating body.
2. To verify the Bernoulli's Theorem.
3. To determine coefficient of discharge of an orifice meter.
4. To determine the coefficient of discharge of venturi meter.
5. To determine the coefficient of discharge of Notch.
6. To find critical Reynolds number for a pipe flow.
7. To determine the friction factor for the pipes.
8. Determination of the performance characteristics of Pelton Wheel.
9. Determination of the performance characteristics of a Francis Turbine.
10. Determination of the performance characteristics of a Kaplan Turbine.
11. Determination of the performance characteristics of a centrifugal pump.
12. Determination of the performance characteristics of a reciprocating pump.
13. Determination of the performance characteristics of a gear pump.
14. Determination of the performance characteristics of a Hydraulic Ram.

Note: Any 8 experiments from the above list are required to be performed by students in the laboratory.

B24-AER-206	AIRCRAFT STRUCTURE I LAB						
Lecture	Tutorial	Practical	Credits	Practical Exam	Internal Assessment	Total	Time (Hrs.)
-	-	2	1	60	40	100	3 h
Purpose	The aircraft structures lab will enable the student to conduct experiments so that they are able to understand the theoretical concepts and principles in a better way.						
Course Outcomes							
CO1	Students will be able to gain basic knowledge on the mechanical behaviour of materials like aluminium, mild steel and cast iron.						
CO2	Students will be able to obtain buckling strength of both long columns using different elastic supports.						
CO3	Students will be able to interpret the concept of locating the shear centre for open and closed section of beams						
CO4	Students will be able to describe test procedures, synthesize and discuss the results.						

List of experiments

1. Compute stress and deflections of beams for various end conditions, verification of Maxwell's theorem
2. Perform Compression tests on long columns and evaluate critical buckling loads.
3. Evaluation of Young's modulus by bending of cantilever Beams
4. Perform unsymmetrical bending on a beam and tabulate the results.
5. Evaluate shear centres of open section beam.
6. Evaluate shear centres of closed section beam.
7. Perform inspection and non-destructive testing (NDT) on aircraft structural components.
8. Fabricate and determine the young's modulus of a sandwich structure.

Note: Any 8 experiments from the above list are required to be performed by students in the laboratory.

B. Tech (4 th Semester) Aeronautical Engineering							
B24- MAC-202							
ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE							
Lecture	Tutorial	Practical	Credit	End Semester Exam	Internal Assessment	Total	Time (Hrs.)
2	-	-	1	-	100	100	3 h
Purpose	To facilitate the students with the concepts of Indian traditional knowledge and to make them understand the importance of roots of knowledge system, analyse and apply to their day-to-day life.						
Course Outcomes							
CO1	The students will be able to understand, connect up and explain basics of Indian traditional knowledge in modern scientific perspective						
CO 2	The students will be able to understand Holistic Health using Indian Knowledge System.						
CO 3	The students will be able to Manage thoughts and Emotions, will learn positivity, self-regulation and control						
CO4	The students will be able to Achieve Consciousness through Indian Knowledge System						

Unit – I

Introduction to Indian Traditional knowledge: Define traditional knowledge, importance, kinds of traditional knowledge. Philosophical systems, Basics of Raj yoga and Karam yoga, Benefits of Raj yoga and Karam yoga.

Unit-II

Holistic Health using Indian Knowledge System: Basic principles of natural life style, Benefits through five elements. Healing through food, Chakras and Mudras. Physical, Mental, Emotional and Spiritual health using traditional knowledge.

Unit-III

Positivity: Traditional approaches. Happiness: objective and subjective measures of wellbeing, life satisfaction. Resilience, Self-regulation and self-control, optimism, self-esteem. Managing thoughts and Emotions with the help of Raj yoga. Achieving Powers for Self-Mastery.

Unit-IV

Achieving Consciousness through Indian Knowledge System: Emotional intelligence, Indian approach to Psychology. Consciousness; levels, body-mind relationship, self motivation, Self and Identity in modern Psychology and Indian thought., Spirituality and well being.

Reference and Text Books:

- Mahadevan, M., Bhat, V.R. & Pavana N. (2022). Introduction to Indian Knowledge System: Concepts and Applications. PHI Learning

- Baumgardner, SR & Crothers, MK (2009). Positive Psychology. Prentice Hall/Pearson Education.
- Cornelissen, R.M., Misra G. & Varma S. (2014). Foundations & Applications of Indian Psychology. Pearson Education.
- Rajyoga Education and Consciousness Improvement Programme for Educators, Rajyoga Education and Research Foundation. Rajyoga Meditation Course, Thoughtkart, Jaipur(Rajasthan), India.
- Prakartik Swasthya Shastra, Publisher Natural Lifestyle

Note: The paper setter will set the paper as per the question paper templates provided.

Bachelor of Technology (Mechatronics Engineering), KUK
Credit-Based w.e.f session 2025-26
SCHEME OF STUDIES/EXAMINATIONS (Semester-III)

S. No.	Course No.	Course Title	L:T:P	Hours/Week	Credits	Examination Schedule (Marks)				Duration of Exam (Hours)
						End Semester Examination	Internal Assessment	Practical	Total	
1	#B24-BS-201A	Optics & Waves	3:1:0	4	4	70	30	0	100	3
2	B24-BS-204A	Higher Engineering Mathematics	3:1:0	4	4	70	30	0	100	3
3	#B24-ES-203A	Basic Electronics Engineering	3:1:0	4	4	70	30	0	100	3
4	B24-MTC-201	Thermal Engineering	3:0:0	3	3	70	30	0	100	3
5	B24-MTC-203	Applied Engineering Mechanics	3:1:0	4	4	70	30	0	100	3
6	B24-MTC-205	Theory of Machines-I	3:1:0	4	4	70	30	0	100	3
7	B24-ES-211LA	Basic Electronics Lab	0:0:2	2	1	0	40	60	100	3
8	B24-MTC-207	Applied Engineering Mechanics Lab	0:0:2	2	1	0	40	60	100	3
9	B24-MTC-209	Theory of Machines-I Lab	0:0:2	2	1	0	40	60	100	3
10	*B24-MC-901A	Environmental Sciences	3:0:0	3	1	70	30	-	100	3
		Total	21:5:6	32	27	490	330	180	1000	

Note:

1. *B24-MC-901A is a mandatory credit-less course in which the students will be required to get passing marks in the Internal Assessment.
2. Students are allowed to use programmable scientific calculator during examination.

Bachelor of Technology (Mechatronics Engineering), KUK
Credit-Based w.e.f session 2025-26
SCHEME OF STUDIES/EXAMINATIONS (Semester-IV)

S N o.	Course No.	Course Title	L:T:P	Hours/ Week	Credits	Examination Schedule (Marks)				Duration of Exam (Hours)
						End Semester Examination	Internal Assessment	Practical	Total	
1	#B24-ES-204A	Materials Engineering	3:0:0	3	3	70	30	0	100	3
2	B24-MTC-202	Digital Electronics	3:1:0	4	4	70	30	0	100	3
3	B24-MTC-204	Fluid Mechanics and Heat Transfer	3:1:0	4	4	70	30	0	100	3
4	B24-MTC-206	Production Technology-I	3:1:0	4	4	70	30	0	100	3
5	B24-MTC-208	Theory of Machines-II	3:1:0	4	4	70	30	0	100	3
6	B24-MTC-210	Fluid Mechanics and Heat Transfer Lab	0:0:3	3	1.5	0	40	60	100	3
7	B24-MTC-212	Theory of Machines-II Lab	0:0:3	3	1.5	0	40	60	100	3
8	B24-MTC-214	Digital Electronics Lab	0:0:2	2	1	0	40	60	100	3
9	B24-MAC-202	Constitution of India	3:0:0	3	-	-	100	-	100	3
		Total	18:4:8	30	23	350	370	180	900	

Note:

1. *B24-MAC-202 is a mandatory credit-less course in which the students will be required to get passing marks in the Internal Assessment.
2. Students are allowed to use programmable scientific calculator during examination.
3. All the students have to undergo six weeks industrial training after 4th semester and it will be evaluated in 5th semester.
4. #The courses are common with B. Tech. Mechanical Engineering.

Optics and Waves								
B24-BS-201A	Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hours)
	3	1	-	4	70	30	100	3
Purpose	To introduce the fundamentals of wave and optics for the applications in Engineering field.							
Course Outcomes								
CO 1	Familiarize with basic phenomenon used in propagation of waves.							
CO 2	Introduce the fundamentals of interference, diffraction, polarization and their applications.							
CO 3	To make the students aware to the importance of Laser in technology.							

Unit - I

Waves: Travelling waves, Characteristics of waves, Mathematical representation of travelling waves, General wave equation, Phase velocity, Light source emit wave packets, Wave packet and Bandwidth, Group velocity and real light waves.

Propagation of light waves: Maxwell's equations, Electromagnetic waves and constitutive relations, Wave equation for free-space, Uniform plane waves, Wave polarization, Energy density, the pointing vector and intensity, Radiation pressure and momentum, Light waves at boundaries, Wave incident normally on boundary, Wave incident obliquely on boundary: law of reflection, Snell's law and reflection coefficients.

Unit - II

Interference: Principle of Superposition, Conditions for Sustained interference, Young's double slit experiment, Division of wave-front: Fresnel's Biprism and its applications, Division of amplitude: Interference due to reflected and transmitted light, Wedge-shaped thin film, Newton's rings and its applications, Michelson Interferometer and its applications.

Unit - III

Diffraction: Types of diffraction, Fraunhofer diffraction at a single slit, Plane transmission diffraction grating: theory, secondary maxima and secondary minima, width of principal maxima, absent spectra, overlapping of spectral lines, determination of wavelength; Dispersive power and resolving power of diffraction grating.

Polarization: Polarization of transverse waves, Plane of polarization, Polarization by reflection, Double refraction, Nicol Prism, Quarter and half wave plate, Specific Rotation, Laurent 's half shade polarimeter, Biquartz polarimeter.

Unit - IV

Laser: Stimulated Absorption, Spontaneous and Stimulated Emission; Einstein's Coefficients and its derivation, Population Inversion, Direct and Indirect pumping, Pumping schemes, Main components of Laser, Gas lasers (He-Ne, CO₂), Solid state lasers (Ruby, Neodymium, semiconductor), Dye laser, Characteristics of Laser, Applications of Laser.

Text/Reference Books:

1. P.K. Diwan, Applied Physics for Engineers, *Wiley India Pvt. Ltd., India*
2. N. Subrahmanyam, B. Lal, M.N. Avadhanulu, A Textbook of Optics, *S. Chand & Company Ltd., India.*
3. A. Ghatak, Optics, *McGraw Hill Education (India) Pvt. Ltd., India.*
4. E. Hecht, A.R. Ganesan, Optics, *Pearson India Education Services Pvt. Lt., India.*

Note: The Examiner will be given the question paper template and will have to set the question paper according to the template provided along with the syllabus.

HIGHER ENGINEERING MATHEMATICS								
B24-BS-204A	Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hours)
	3	1	-	4	70	30	100	3
Purpose	The objective of this course is to familiarize the prospective Engineers with Laplace Transform, partial differential equations which allow deterministic mathematical formulations of phenomena in engineering processes and to study numerical methods for the approximation of their solution. More precisely, the objectives are as under:							
Course Outcomes								
CO 1	Introduction about the concept of Laplace transform and how it is useful in solving the definite integrals and initial value problems.							
CO 2	To introduce the Partial Differential Equations, its formation and solutions for multivariable differential equations originated from real world problems.							
CO 3	To introduce the tools of numerical methods in a comprehensive manner those are used in approximating the solutions of various engineering problems.							
CO 4	To familiar with essential tool of Numerical differentiation and Integration needed in approximate solutions for the ordinary differential equations.							

UNIT-1

Laplace Transform

Laplace Transform, Laplace Transform of Elementary Functions, Basic properties of Laplace Transform, Laplace transform of periodic functions, finding inverse Laplace transform by different methods, Convolution theorem, solving ODEs by Laplace Transform method.

UNIT-2

Partial Differential Equations

Formation of Partial Differential Equations, Solutions of first order linear and non-linear PDEs, Charpit's method, Solution to homogenous linear partial differential equations (with constant coefficients) by complimentary function and particular integral method.

UNIT-3

Numerical Methods-1

Solution of polynomial and transcendental equations: Bisection method, Newton-Raphson method and Regula-Falsi method, Finite differences, Relation between operators, Interpolation using Newton's forward and backward difference formulae. Interpolation with unequal intervals: Newton's divided difference and Lagrange's formulae.

UNIT-4

Numerical Methods-2

Numerical Differentiation using Newton's forward and backward difference formulae, Numerical integration: Trapezoidal rule and Simpson's 1/3rd and 3/8 rules, Ordinary differential equations: Taylor's series, Euler and modified Euler's methods. Runge-Kutta method of fourth order for solving first and second order equations.

Textbooks/References:

1. S. J. Farlow, Partial Differential Equations for Scientists and Engineers, Dover Publications, 1993. AICTE Model Curriculum in Mathematics.

2. R. Haberman, Elementary Applied Partial Differential equations with Fourier Series and Boundary Value Problem, 4th Ed., Prentice Hall, 1998.
3. Ian Sneddon, Elements of Partial Differential Equations, McGraw Hill, 1964.
4. Manish Goyal and N.P. Bali, Transforms and Partial Differential Equations, University Science Press, Second Edition, 2010.
5. N.P. Bali and Manish Goyal, A text book of Engineering Mathematics, Laxmi Publications, Reprint, 2010.
6. B.S. Grewal, Higher Engineering Mathematics, Khanna Publishers, 35th Edition, 2000.
7. Veerarajan T., Engineering Mathematics, Tata McGraw-Hill, New Delhi, 2008.
8. P. Kandasamy, K. Thilagavathy, K. Gunavathi, Numerical Methods, S. Chand & Company, 2nd Edition, Reprint 2012.
9. S.S. Sastry, Introductory methods of numerical analysis, PHI, 4th Edition, 2005.
10. Erwin Kreyszig, Advanced Engineering Mathematics, 9th Edition, John Wiley & Sons, 2006.
11. Erwin Kreyszig and Sanjeev Ahuja, Applied Mathematics-II, Wiley India Publication, Reprint, 2015.

Note: The Examiner will be given the question paper template and will have to set the question paper according to the template provided along with the syllabus.

Basic Electronics Engineering								
B24-ES-203A	Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hrs.)
	3	1	0	4	70	30	100	3
Purpose :	To provide an overview of electronic devices and components to Mechanical engineering students.							
Course Outcomes								
CO 1	To introduce the basic electronics devices along with their applications.							
CO 2	To become familiar with basic operational amplifier circuits with applications and oscillators.							
CO 3	To understand the fundamentals of digital electronics.							
CO 4	To become familiar with basic electronic communication system.							

UNIT-I

Semiconductor Devices and Applications: Introduction to P-N junction Diode and V-I characteristics, Half wave and Full-wave rectifiers, capacitor filter. Zener diode and its characteristics, Zener diode as voltage regulator. BJT structure, its input-output and transfer characteristics, BJT as a Common Emitter amplifier, frequency response and bandwidth.

UNIT-II

Operational amplifier and its applications: Introduction to operational amplifiers, inverting, non-inverting and differential modes, basic parameters of Op-amp, Op-amp in open loop configuration, study of practical op-amp IC 741, Op-amp applications: adder, subtractor, scale changer, averaging amplifier, comparator, integrator and differentiator.

Timing Circuits and Oscillators: IC 555 Duration of Exam (Hours) pin diagram: Astable and mono-stable operation, Barkhausen's criteria for oscillations, R-C phase shift and Wein bridge oscillators using BJT and Op-Amp and their frequency of oscillation.

UNIT-III

Digital Electronics Fundamentals : Difference between analog and digital signals, Boolean algebra, Basic and Universal Gates, Symbols, Truth tables, logic expressions, Logic simplification using K- maps, Logic ICs, half and full adder, multiplexers, de-multiplexers, flip-flops, basic counters.

UNIT-IV

Electronic Communication Systems: The elements of communication system, Transmission media: wired and wireless, need of modulation, AM and FM modulation schemes, Mobile communication systems: cellular concept and block diagram of GSM system.

Text Books:

1. Integrated Electronics, Millman & Halkias (Mc-Graw Hill)
2. Electronics Devices & Circuit Theory, RL Boylestad & L Nashelsky (PHI)

Reference Books:

1. Modern Digital Electronics, R P Jain, Tata McGraw Hill.
2. Electronic Communication Systems, G. Kennedy, McGraw Hill, 4th Edition

Note: The paper setter will set the paper as per the question paper templates provided.

B24-MTC-201	Thermal Engineering						
Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hrs.)
3	0	0	3	70	30	100	3
Purpose	To introduce the fundamentals of thermal engineering to the students for applications in Engineering field.						
Course Outcomes							
CO 1	Introduction of basic concepts of thermodynamics.						
CO 2	Introduction and application of laws of thermodynamics						
CO 3	Discussion on the concept of entropy.						

UNIT I

Basic Concepts: Thermodynamics: Macroscopic and Microscopic Approach, Thermodynamic System and control volume, Thermodynamic properties processes and cycles, homogeneous and heterogeneous systems, thermodynamic equilibrium, quasi static process, work transfer, PdV work or displacement work, path function and point function, other types of work transfer, free expansion with zero work transfer, net work done by a system, heat transfer.

UNIT II

Zerth Law of Thermodynamics and First Law of Thermodynamics: Zerth law of thermodynamics. Comparison of thermometers, ideal gas, gas thermometers, Celsius temperature scale, electrical resistance thermometer, thermo couple 1st law for a closed system undergoing a cycle, 1st law for a closed system undergoing a change of state, energy- a property of the system, different forms of stored energy, specific heat at constant volume, enthalpy, specific heat at constant pressure, energy of an isolated system, perpetual motion machine of the first kind (PMM1).

UNIT III

First Law applied to flow processes and Second Law of Thermodynamics: Control volume, steady flow process, mass balance and energy balance in a simple steady flow process, mass balance, energy balance, , some examples of steady flow process, nozzle and diffuser, throttling device, turbine and compressor, heat exchanger, Introduction to second law of thermodynamics, energy reservoirs, heat engines, Kelvin- Planck statement of second law, Clausius Statement for second law, refrigerator and heat pump, heat pump and electric resistance heater, equivalence of Kelvin-Planck and Clausius statements, reversibility and irreversibility, causes of reversibility, irreversibility due to lack of equilibrium, heat transfer through a finite temperature difference, lack of pressure equilibrium within the interior of the system or between the system and the surroundings, free expansion, irreversibility due to dissipative effects, friction, paddle wheel work transfer, transfer of electricity through a resistor, types of irreversibility, conditions for irreversibility.

UNIT IV

Entropy: Introduction, the inequality of Clausius, the property of entropy, temperature and entropy plot, entropy change in irreversible process, entropy principle, applications of entropy principle, transfer of heat through finite temperature difference, mixing of two fluids, maximum work obtainable from two finite bodies at temperatures T1 and T2. Maximum work obtainable from a finite body and a TER, processes exhibiting external mechanical irreversibility, isothermal dissipation of work, adiabatic dissipation of work, entropy transfer with heat flow.

TEXT BOOKS:

1. Engineering Thermodynamics – C P Arora, Tata McGraw Hill
2. Engineering Thermodynamics – P K Nag, Tata McGraw Hill

REFERENCE BOOKS:

1. Thermal Science and Engineering – D S Kumar, S K Kataria and Sons
2. Engineering Thermodynamics -Work and Heat transfer – G F C Rogers and Maghew Y. R. Longman

Note: The Examiner will be given the question paper template and will have to set the question paper according to the template provided along with the syllabus.

B24-MTC-203	Applied Engineering Mechanics						
Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hrs.)
3	1	0	4	70	30	100	3
Purpose	To understand the basic concepts and principles of mechanics and their applications to solve engineering problems.						
Course Outcomes							
CO 1	To understand the basic concepts of mechanics and various forces applied in engineering problems.						
CO 2	To study various types of forces like co-planar, parallel and concurrent forces.						
CO 3	To learn about the Moment of inertia, centroid and centre of gravity.						
CO 4	To study various types of dynamics of the engineering problems.						

UNIT-I

Basic Concepts: Matter, Particle and body, space, time, motion and trajectory, Newtons laws of motion, scalar and vector quantities, Mass, Force and Weight, Tension and compression, System of forces, Equilibrium, Resultant and Equilibrant, Principle of transmissibility, Dimension and units, Dimensional Homogeneity.

Co-Planar Forces: Introduction, Parallelogram law of forces, resolution of forces, theorem of resolved parts, resultant of Coplanar-concurrent forces, triangle law of forces, polygon law of forces, free body diagram.

UNIT-II

Moment of force and Parallel Forces: Moment of a force, graphical representation of moment, varignon's theorem: law of moment, principle of moments, resultant of coplanar, Non-concurrent force system, parallel forces, couple, general conditions of equilibrium.

Lifting Machines:

Basic concepts and Definitions, Reversible and irreversible Machine, Law of Machine, Levers, Pulleys: Fixed and Movable, System of Pulleys, Simple wheel and axle, Differential wheel and axle, differential pulley block, winch crabs, inclined plane, screw jack, differential screw jack, worm and worm wheel.

UNIT-III

Centre Points: Centroid and centre of Gravity

Centre of gravity and centroid, location of centroid/centre of gravity, Pappus-Guldinus Theorem.

Moment of Inertia: Area and Mass

Moment of Inertia and Radius of gyration, Moment of Inertia of lamina of different shapes, Mass moment of Inertia, Mass moment of inertia for specified cases, product of inertia, Principal axis and principal moment of inertia.

UNIT-IV

Projectiles:

Terms related to projectile motion, equation of projectile path, projection on an inclined plane.

Impulse, Momentum, Work and Energy: Force, impulse and momentum, motion of lift, motion of connected bodies, D'Alembert's Principle, Work, Power and Energy, Work-Energy Principle, Conservation of Mechanical Energy, Hamilton's Principle, Work done by a spring.

Text Books:

1. Engineering Mechanics (statics and Dynamics) By Dr. D.S. Kumar, S.K.Kataria & Sons.
2. Engineering Mechanics, D.S. Bedi, Khanna Book Publishing Co. (P) Ltd., Delhi
3. Engineering Mechanics, R. S. Khurmi, S.Chand Publishing
4. A Textbook of Engineering Mechanics, R.K. Bansal, Laxmi Publications
5. Engineering Mechanics, Sharma, Pearson

Note: The Examiner will be given the question paper template and will have to set the question paper according to the template provided along with the syllabus.

B24-MTC-205	Theory of Machines-I						
Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hrs.)
3	1	0	4	70	30	100	3
Purpose	To study and understand about basic elements and mechanisms used in machines.						
Course Outcomes							
CO 1	Discussions an simple mechanisms and their applications						
CO 2	Understand and learn about velocity and acceleration determination in mechanisms						
CO 3	Discussions on Simple harmonic motion and its applications						
CO 4	Learn and understand about friction and power transmission						

UNIT I

Simple Mechanisms: Introduction, kinematic link or element, types of links, structure, difference between a machine and a structure, kinematic pair, types of constrained motions, classification of kinematic pairs, kinematic chain, types of joint in a chain, mechanism, number of degrees of freedom for a plane mechanism, application of Kutzbach criterion for plane mechanism, Grubler's criterion for plane mechanism, inversion of mechanism, types of kinematic chain, four bar chain or quadric cycle chain, inversion of four bar chain, single slider crank chain, double slider crank chain, inversions of double slider crank chain.

Velocity in mechanisms: Relative velocity methods, introduction, relative velocity of two bodies moving in straight lines, motion of a link, velocity of a point on a link by relative velocity method, velocities in slider crank mechanism, rubbing velocity at a pin joint, forces acting in a mechanism, mechanical advantage.

UNIT II

Acceleration in mechanisms: introduction, acceleration diagram, acceleration of a point on a link, acceleration in the slider crank mechanism, Coriolis's component of acceleration.

Simple Harmonic Motion: Introduction, Velocity and Acceleration of a Particle Moving with Simple Harmonic Motion, Differential Equation of Simple Harmonic Motion, Terms Used in Simple Harmonic Motion, Simple Pendulum, Laws of Simple Pendulum, Closely-coiled Helical Spring. Compound Pendulum, Centre of Percussion, Bifilar Suspension, Trifilar Suspension (Torsional Pendulum).

UNIT III

Mechanism with lower pairs: Introduction, pantograph, straight-line motion mechanisms, exact straight line motion mechanisms made up of turning pairs, Peaucellier mechanism, Hart's mechanism, exact straight line motion consisting of one sliding pair Scott-Russell's mechanism, approximate straight line motion mechanisms, Watt's mechanism, modified Scott Russel mechanism, Grasshopper mechanism, Tchebicheff's mechanism, Roberts mechanism, straight line motions of engine indicators, Simplex indicator, cross-by-indicator, Thompson indicator, Dobbie Mc Innes indicator, Steering gear mechanism, Davis steering gear, Ackerman steering gear, Universal or Hooke's joint, ratio of shaft velocities, maximum and minimum speeds of driven shaft, condition for equal speeds of the driving and driven shafts, angular acceleration of the driven shaft, maximum fluctuation of speed, double Hooke's joint.

Friction: Introduction, Types of friction, friction between un-lubricated surfaces, friction between lubricated surfaces, limiting friction, laws of static friction, laws of kinetic or dynamic friction, laws of solid friction, laws of fluid friction, coefficient of friction, limiting angle of friction, angle of repose, minimum force required to slide a body on a rough horizontal plane, friction of a body lying on a rough

inclined plane, efficiency of a inclined plane, screw friction, screw jack, torque required to lift the load by a screw jack, torque required to lower the load by a screw jack, efficiency of a screw jack, maximum efficiency of a screw jack, over hauling and self locking screws, efficiency of a self locking screws, friction of a V thread, friction in journal bearing-friction circle, friction of pivot and collar bearing, flat pivot bearing, conical pivot bearing, trapezoidal or truncated conical pivot bearing, flat collar bearing, friction clutches, single disc or plate clutch, multiple disc clutch, cone clutches, centrifugal clutch,

UNIT IV

Belt rope and chain drives: Introduction, selection of a belt drive, types of belt drives, types of belts, types of belt drives, velocity ratio of belt drive, velocity ratio of compound belt drive, slip of belt, creep of belt, length of an open belt drive, length of crossed belt drive, power transmitted by a belt, ratio of driving tensions for flat belt drive, determination of angle of contact, centrifugal tension, maximum tension in the belt, condition for the transmission of maximum power, initial tension in the belt, V belt drive, advantages and disadvantages of V belt drive over the flat belt drive, ratio of driving tension for V belt, rope drive, fiber ropes, advantages of fiber rope drives, sheaves for fiber ropes, wire ropes, ratio of driving tensions for a rope drive, chain drives, advantages and disadvantages of chain drive over belt or rope drive, terms used in chain drive, relation between pitch and pitch circle diameter, relation between chain speed and angular velocity of sprocket, kinematic of chain drive, classification of chains, hoisting and hauling chains, conveyor chains, power transmitting chains, length of a chain.

TEXT BOOKS & REFEENCES:

1. Theory of machines: S. S. Rattan, Tata McGraw Hill Publications
2. Theory of machines : R S Khurmi, S Chand Publications
3. Theory of Mechanism and Machines: Jagdish Lal, Metropolitan Book Co.
4. Mechanism synthesis and analysis: A.H. Soni, McGraw Hill Publications.
5. Mechanism: J.S. Beggs.
6. Mechanics of Machines: P. Black, Pergamon Press.
7. Theory of Machines: P.L. Ballaney, Khanna Publisher.

Note: The Examiner will be given the question paper template and will have to set the question paper according to the template provided along with the syllabus.

B24-ES-211LA	Basic Electronics Lab							
	Lecture	Tutorial	Practical	Credits	Internal Assessment	Practical	Total	Duration of Exam (Hours)
	0	0	2	1	40	60	100	3
Purpose	To give hands on experience to students with electronic devices							
	Course Outcomes							
CO1	To introduce students with CRO							
CO2	To familiarize students with characteristics of Diode and transistor							
CO3	To implement Zener diode as a voltage regulator							
CO4	Measurement of displacement using LVDT							

LIST OF EXPERIMENTS

1. To study CRO
2. To plot the VI characteristics of PN junction diode
3. To plot the VI characteristics of Zener diode.
4. To study the half and full wave rectifier
5. To study the Bridge rectifier.
6. To plot the VI characteristics of transistor in CB mode
7. To plot the VI characteristics of transistor in CE mode
8. To study Zener diode as a voltage regulator
9. To study RC oscillator
10. To study single stage CE amplifier
11. To study LVDT for linear displacement

NOTE: A student has to perform at least ten experiments. Seven experiments should be performed from the above list. Remaining three experiments may either be performed from the above list or designed & set by the concerned institution as per the scope of the syllabus.

B24-MTC-207	Applied Engineering Mechanics Lab						
Lecture	Tutorial	Practical	Credits	Internal Assessment	Practical	Total	Duration of Exam (Hrs.)
0	0	2	1	40	60	100	3
Purpose	To understand the basic concepts and principles of mechanics and their applications to solve engineering problems.						
Course Outcomes							
CO 1	Learn and understand about centroid and mass moment of inertia						
CO 2	Understand application of triangle law and polygon law of forces and determine resultant force.						
CO 3	Understand application of SFD and BMD						

List of Experiments

1. To verify law of moments using bell crank lever.
2. To verify triangle law and polygon law for coplanar forces.
3. To determine moment of inertia of flywheel using flywheel apparatus.
4. To determine Centroid for various shapes.
5. Determine mechanical advantage of a screw jack.
6. Study differential wheel and axle of an automobile.
7. Study shear force and bending moment for a beam under various types of loading.
8. Experiment to determine SFD and BMD for a beam under point loading.
9. Study stress strain diagrams for brittle and ductile materials.

Note: Student will be required to perform total of 8 experiments. 7 experiments will be from the below given list and rest experiments will be designed based upon the curriculum.

B24-MTC-209	Theory of Machines-I Lab						
Lecture	Tutorial	Practical	Credit	Internal Assessment	Practical	Total	Duration of Exam (Hrs.)
0	0	2	1	40	60	100	3
Purpose	To study and understand about basic elements and mechanisms used in machines and demonstrate few of them.						
Course Outcomes							
CO 1	Discussions an simple mechanisms and their applications						
CO 2	Understand and learn about velocity and acceleration determination in mechanisms						
CO 3	Discussions on Simple harmonic motion and its applications						
CO 4	Learn and understand about friction and power transmission						

LIST OF EXPERIMENTS

1. To determine the modulus of rigidity of the material of a closed coil helical spring and the stiffness of a spring
2. To determine the value of coefficient of friction for a given pair of surfaces using friction apparatus
3. To determine the modulus of rigidity of horizontal shaft
4. To determine experimentally the ratio of the cutting time to idle time (cutting stroke to idle stroke) of the crank and slotted lever (QRM)/ Whitworth and compare the result to theoretical values plot the following
 - θ v/s X (displacement of slider).
 - θ v/s velocity.
 - θ v/s Acceleration and to compare the values of velocities (Take angles $\theta = 45^\circ, 90^\circ, 135^\circ, 225^\circ, 270^\circ$ & 335° , $\omega = 1 \text{ rad/s}$)
5. To determine the value of coefficient of friction between the screw and nut of the jack, while:
 - Raising the load
 - Lowering the load
6. To draw experimentally a curve of the follower-displacement v/s cam-angle. Differentiate the above curve to get velocity and acceleration plot and compare the values with those obtained analytically.
7. To determine the coefficient of friction between belt and pulley and plot a graph between $\log_{10} T_1/T_2$ v/s, θ .
8. To determine the displacement, velocities, & accelerations of the driven shaft of a Hooke's joint for a constant speed of the driver shaft.
9. Study of bifilar and trifilar suspension system
10. Study of the inversions of the single slider crank mechanism.

NOTE: Student will be required to perform total of 10 experiments. 7 experiments will be from the below given list and rest experiments will be designed based upon the curriculum.

Environmental Sciences								
B24-MC-901A	Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hours)
	3	0	0	1	70	30	100	3
Purpose	To learn the multidisciplinary nature, scope and importance of Environmental sciences.							
Course Outcomes (CO)								
CO1	The students will be able to learn the importance of natural resources.							
CO2	To learn the theoretical and practical aspects of eco system.							
CO3	Will be able to learn the basic concepts of conservation of biodiversity.							
CO4	The students will be able to understand the basic concept of sustainable development.							

UNIT 1

The multidisciplinary nature of environmental studies, Definition, Scope and Importance, Need for public awareness, Natural Resources: Renewable and Non-Renewable Resources: Natural resources and associated problems.

- (a) Forest Resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.
- (b) Water Resources: Use & over-utilization of surface & ground water, floods, drought, conflicts over water, dams-benefits and problems.
- (c) Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
- (d) Food Resources: World Food Problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
- (e) Energy Resources: Growing energy needs, renewable & non-renewable energy sources, use of alternate energy sources. Case studies.
- (f) Land Resources: Land as a resource, land, degradation, man induced landslides, soil erosion and desertification.

Role of an individual in conservation of natural resources, Equitable use of resources for sustainable lifestyle.

UNIT II

Ecosystem-Concept of an ecosystem. Structure and function of an ecosystem, Producers, consumers and decomposers, Energy flow in the ecosystem, Ecological Succession, Food Chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem: (a) Forest Ecosystem, (b) Grassland Ecosystem, (c) Desert Ecosystem and (d) Aquatic Ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Field Work: Visit to a local area to document Environment assets-river/forest/grassland/hill/mountain, Visit to a local polluted site-Urban /Rural Industrial/Agricultural, Study of common plants, insects and birds, Study of simple ecosystems-pond, river, hill, slopes etc. (Field work equal to 5 lecture hours).

UNIT III

Biodiversity and its conservation: Introduction, Definition: genetic, species and ecosystem diversity. Biogeographical classification of India. Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values. Biodiversity of global, National and local levels. India as a mega-diversity nation Hot spots of Biodiversity, Threats to biodiversity: Habitat loss, poaching of wild life, man-wildlife conflicts, Endangered and endemic species of India, Conservation of Biodiversity- In situ and Ex-Situ conservation of biodiversity.

Environmental Pollution Definition: Cause, effects and control measures of (a) Air Pollution (b) Water Pollution (c) Soil Pollution (d) Marine Pollution (e) Noise Pollution (f) Thermal Pollution (g) Nuclear Hazards

Solid waste management- cause, effects and control measures of urban and industrial wastes, Role of an individual in prevention of pollution, Pollution case studies, Disaster management: floods, earthquake, cyclone and landslides

UNIT IV

Social Issues and the Environment. From unsustainable to sustainable development, Urban problems related to energy, Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people: Its problems and concerns, Case Studies: Environmental ethics-issues and possible solutions. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies: Wasteland Reclamation, Consumerism and waste products, Environment Protection Act, Air (Prevention and Control of Pollution) Act, Water (Prevention and Control of Pollution) Act, Wildlife Protection Act, Forest Conservation Act, Issues involved in enforcement of environmental legislation, Public Awareness, Human population and the Environment, Population growth, variation among nations, Population explosion-Family Welfare Programme, Environment and human health. Human rights, Value Education, HIV/AIDS, Women and Child Welfare, Role of Information Technology in Environment and Human Health, Case Studies, Drugs and their effects; Useful and harmful drugs, Use and abuse of drugs, Stimulant and depressant drugs, Concept of drug de-addiction, Legal position on drugs and laws related to drugs.

Suggested Books

- Environmental Studies- Deswal and Deswal. Dhanpat Rai and Co.
- Environmental Science and Engineering Anandan, P. and Kumaravelan, R. 2009. Scitech Publications (India) Pvt. Ltd., India.
- Environmental Studies. Daniels Ranjit R. J. and Krishnaswamy. 2013. Wiley India.
- Environmental Science- Botkin and Keller. 2012. Wiley , India

Note: The Examiner will be given the question paper template to set the question paper.

B.Tech. (4 th Semester)							
MATERIALS ENGINEERING							
#B24-ES-204A	Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Duration of Exam (Hrs.)
	3	0	0	3	70	30	3
Purpose :	To understand internal structure- properties relationship of different types of materials and learn about Metallographic analysis and Characterization.						
Course Outcomes							
CO 1	To understand the Crystal structures and deformation mechanism in various materials.						
CO 2	To study various types of phase diagrams, TTT curve and Iron carbon diagram. To learn about different heat treatment processes.						
CO 3	To learn about the failure mechanisms like Creep and Fatigue and designation of materials.						
CO 4	To study Basics of Metallography and Basic Principle involved in the working of various types of Material characterization techniques.						

UNIT I

Crystallography: Review of Crystal Structure, Space Lattice, Co-ordination Number ,Number of Atoms per Unit Cell, Atomic Packing Factor; Numerical Problems Related to Crystallography.

Imperfection in Metal Crystals: Crystal Imperfections and their Classifications, Point Defects, Line Defects, Edge & Screw Dislocations, Surface Defects, Volume Defects.

Introduction to Engineering materials and Standard Materials Designation: Introduction to Engineering materials, Steel Terminology, Standard Designation System for Steels, Indian Standard specifications for steels as per BIS: Based on Ultimate Tensile Strength and based on Composition, AISI-SAE standard designation for Steels and Aluminium Alloys

UNIT II

Phase Diagrams: Alloy Systems, Solid solutions, Hume Rothery's Rules, Intermediate phases, Phase Diagrams, Gibbs Phase Rule, Cooling curves, The Lever Rule, binary phase diagrams, Applications of Phase Diagrams, Phase Transformation, Micro constituents of Fe-C system, Allotropic Forms of Iron ,Iron-iron carbide phase diagram, Modified Iron Carbon Phase Diagrams, Isothermal Transformation, TTT Curve,

Heat Treatment: Heat treatment of steels, Annealing, Normalising, Hardening, Tempering, Case Hardening, Ageing, Aus tempering and Mar tempering, Surface Hardening, Mass Effect, Equipments for Heat Treatment, Major Defects in Metals or Alloys due to faulty Heat treatment.

Deformation of Metal: Elastic and Plastic Deformation, Mechanism of Plastic Deformation, Slip; Critical Resolved Shear Stress, Twinning, Conventional and True Stress Strain Curves for Polycrystalline Materials, Yield Point Phenomena, Bauschinger Effect, Work Hardening.

Failure of Materials: Fatigue, Fatigue fracture, fatigue failure, Mechanism of Fatigue Failure, Fatigue Life calculations, Fatigue Tests, Theories of Fatigue.

Creep: Creep Curve, Types of Creep, Factors affecting Creep, Mechanism of Creep, Creep Resistant Material, Creep Fracture, Creep Test, Stress Rupture test.

UNIT IV

Introduction to Metallography: Metallography, Phase analysis, Dendritic growth, Cracks and other defects Corrosion analysis, Intergranular attack (IGA), Coating thickness and integrity, Inclusion size, shape and distribution, Weld and heat-affected zones (HAZ), Distribution and orientation of composite fillers, Graphite nodularity, Intergranular fracturing

Materials Characterization Techniques: Characterization techniques such as X-Ray Diffraction (XRD), Scanning Electron Microscopy, transmission electron microscopy, atomic force microscopy, scanning tunneling microscopy, Atomic absorption spectroscopy.

Text Books:

1. Material Science by S.L.Kakani, New Age Publishers.
2. The Science and Engineering of Materials, Donald R. Askeland, Chapman & Hall.
3. Fundamentals of Material Science and Engineering by W. D. Callister, Wiley.
4. Fundamental of Light Microscopy and Electronic Imaging by Douglas B. Murphy, Kindle Edition 2001
5. Materials Science and Engineering, V. Raghvan
6. Phase Transformation in Metals and Alloys, D. A. Porter & K.E. Easterling

Reference Books:

7. Material Science by Narula, TMH
8. Metallographic Handbook by Donald C. Zipperian, Pace Technologies, USA.
9. Robert Cahn Concise Encyclopedia of Materials Characterization, Second Edition: 2nd Edition (Advances in Materials Science and Engineering) Elsevier Publication 2005.
10. Smart Materials and Structures by Gandhi and Thompson, Chapman and Hall.

Note: The paper setter will set the paper as per the question paper templates provided.

Digital Electronics								
B24-MTC-202	Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hours)
	3	1	-	4	70	30	100	3
Purpose	To learn the basic methods for the design of digital circuits and provide the fundamental concepts used in the design of digital systems.							
Course Outcomes								
CO 1	To introduce basic postulates of Boolean algebra and shows the correlation between Boolean expressions							
CO 2	To introduce the methods for simplifying Boolean expressions							
CO 3	To outline the formal procedures for the analysis and design of combinational circuits and sequential circuits							
CO 4	To introduce the concept of converters and memories							

UNIT I

Fundamental Concepts: NAND and NOR operations, Exclusive-OR and Exclusive-NOR, Boolean Algebra

Number Systems and Codes: Number Systems, Binary Number Systems, Signed Binary Numbers, Binary Arithmetic, 2's Complement Arithmetic, Octal Number System, Hexadecimal Number System, Codes, Error detecting and correcting codes.

UNIT II

COMBINATIONAL LOGIC DESIGN: Standard representation for logic functions, K-map representation, Simplification using K-map, Minimization of logic functions specified/not specified in minterm/maxterms, Don't care conditions, Design Examples.

Multiplexer and their use in combinational design, Demultiplexers/decoders and their use in combinational design, Adders and their use as subtractors, BCD Arithmetic, Digital Comparators, Parity Generators/Checkers, Code Converters

UNIT III

SEQUENTIAL LOGIC DESIGN: Flip-flops - SR, JK, D, T Flip Flops, Excitation table, Clocked Flip Flop Design.

Registers, Applications of Registers – Ring Counter, Sequence Generator. Ripple or Asynchronous Counters, Synchronous Counters

UNIT IV

A/D and D/A Converters: Digital to Analog converters- Weighted Resistor, R-2R Ladder, Specifications of D/A Converters. Analog to digital Converters – Quantization and Encoding, Flash Type, Successive Approximation, Dual Slope A/D Converter.

Semi Conductor Memories – Memory Organisation and Operation, Classification and characteristics of Memories, Read-only Memory, Read and Write Memory

TEXT BOOKS

1. R P Jain, Modern Digital Electronics, 4th Edition, TMH

REFERENCES

1. Anand Kumar, Fundamental of Digital Circuits, 2nd Edition, PHI-2009
2. Morris Mano, Digital Design, 3rd Edition, Prentice Hall of India Pvt. Ltd., 2003 / Pearson Education (Singapore) Pvt. Ltd., New Delhi, 2003.

Note: The Examiner will be given the question paper template and will have to set the question paper according to the template provided along with the syllabus

B24-MTC-204	Fluid Mechanics and Heat Transfer						
Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hrs.)
3	1	0	4	70	30	100	3
Purpose	To understand the basic concepts and principles of Fluid mechanics and Heat Transfer and their applications to solve engineering problems.						
Course Outcomes							
CO 1	To understand the basic concepts of fluid mechanics with properties of fluid.						
CO 2	To study various types of pressure and forces with their measurements.						
CO 3	To learn about the Thermal conduction and steady state conduction.						
CO 4	To study conduction with heat generation.						

UNIT-I

Properties of Fluids: Introduction, Properties of fluids, Viscosity, Thermodynamic properties, compressibility and bulk modulus, surface tension and capillarity, vapour pressure and cavitation.

Pressure and Its Measurements: Fluid pressure at a point, Pascal's Law, Pressure variation in a fluid at rest, Absolute, Gauge, atmospheric and Vacuum pressures, Measurement of pressure with manometers and mechanical gauges, Simple manometers, Differential manometers, Pressure at a point in compressible fluid with isothermal process, adiabatic process and temperature Lapse-Rate.

UNIT-II

Hydrostatic Forces on surfaces: Introduction, total pressure and centre of pressure, vertical plane surface sub-merged in liquid, horizontal plane surface sub-merged in liquid, inclined plane surface sub-merged in liquid, Curved surface sub-merged in liquid, total pressure and centre of pressure on lock gates.

Buoyancy and Floatation: Introduction, Buoyancy, Centre of Buoyancy, Meta-centre, Meta-centric height with analytical and Experimental method, conditions of equilibrium of a floating and submerged bodies with their stability, Oscillation (Rolling) of a floating body, Numerical.

UNIT-III

Basic concepts of Heat Transfer

Thermodynamic system and Surroundings, thermodynamic property, temperature, heat and thermal equilibrium, thermodynamics versus heat transfer, basic laws governing heat transfer, modes and basic laws of heat transfer, steady and unsteady heat transfer, significance of heat transfer.

Fourier equation and thermal conductivity

Fourier equation, thermal resistance, Thermal conductivity of materials, General Heat conduction equation with Cartesian, Cylindrical and Spherical coordinates with General one-dimensional conduction equation, initial and boundary conditions, guarded hot plate method.

Steady State Conduction:

Conduction through a plane wall, conduction through a composite wall, heat flow between surface and surroundings: cooling and heating of fluids, conduction through a cylindrical wall, multilayer cylindrical wall and sphere, shape factor, effect of variable conductivity, critical thickness of insulation, multi dimensional steady conduction: analytic solution, graphical method and finite difference method.

Conduction with heat generation: Plane wall with uniform heat generation, dielectric heating, cylinder with uniform heat generation in solid and hollow (with different cases) cylinder, heat transfer through the piston crown, nuclear fuel elements with and without cladding, sphere with uniform heat generation, hollow sphere with inside surface insulated.

Text Books:

1. A Textbook of Fluid Mechanics and hydraulic machine, R.K. Bansal, Laxmi Publications
2. Heat & Mass Transfer, Dr. D. S. Kumar, KATSON Books.
3. Fluid Mechanics, Sadhu Singh, Khanna Books, Delhi
4. Fluid Mechanics, Modi & Seth, Standard Publishers
5. Fluid Mechanics, Hydraulics and Hydraulic Machines, KR Arora, Standard Publishers Distributors
6. Fundamental of Heat and Mass Transfer, M.Thirumaleshwar, Pearson
7. Computational Heat Transfer and Fluid Flow, Murlidhar & Sunder Rajan, Narosa
8. Thermal Engineering, M.L. Mathur & F.S. Mehta, Jain Publications
9. A Course in Heat & Mass Transfer, V.M. Domkundwar, Dhanpat Rai & Co.

Note: The Examiner will be given the question paper template and will have to set the question paper according to the template provided along with the syllabus

Production Technology-I								
B24-MTC-206	Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hrs.)
	3	1	0	4	70	30	100	3
Purpose	To introduce the fundamentals of processes adopted for machining of materials.							
Course Outcomes								
CO 1	Discussion on geometry of cutting tools and principles of metal cutting							
CO 2	Learn and understand economics of metal cutting							
CO 3	To know about jigs and fixtures and their application							
CO 4	To know about various measuring devices and their applications.							

UNIT I

Geometry of cutting tools and Principles of metal cutting: Introduction, classification of cutting tools, single point cutting tools, tool nomenclature systems, positive and negative rake tools, drill geometry, elements of machining, classical metal machining processes, chip formation and types of chips, basic mechanism of chip formation, forces on the chip, velocity relationships, theories on mechanics of metal cutting, due to Ernst- Merchant, Lee and Shaffer theory, Palmer and Oxley theory, thermal aspects of machining.

UNIT II

Theory of machinability & mechanics of Multi-Point cutting tools: Evaluation of machinability, tool life, tool life plots, types of tool failure, flank wear, variables influencing the tool failure, chip formation, cutting forces and power consumption, surface finish, economics of machining: Element of machining cost, analysis for optimum cutting speed, problems on economics of machining, tooling economics, machines economics and optimization. Milling cutters: conventional milling and climb milling, chip cross section in milling, power required in milling, forces and torque in drilling, power requirement in broaching.

UNIT III

Jigs and Fixtures & Tool layout for Turrets: Tool engineering, tool design, types of tools, usefulness of jigs and fixtures, principles of jigs and fixture design, locating and clamping, locating devices, types of clamping devices, drilling jigs: elements of a jig, elements of a milling fixtures, materials for Jigs and fixtures, economics of jigs and fixtures. Introduction, characteristics of turret lathes, difference between turret and capstan, main parts of turrets, universal chucking equipment, universal bar equipment.

UNIT IV

Linear and angular measurements and Comparators: Direct reading instruments, micrometers, differential micrometers, bench micrometers, Vernier calipers, Vernier height gauge, slip gauges, measurement of angles, spirit level, auto- collimator, measurement of tapers, external taper, dovetail angle, comparator-mechanical comparator, dial gauge, principle of mechanical comparator, electrical comparator, optical comparator, working principle of an optical comparator, optical flat as comparator, checking height of a component, pneumatic comparator, working principle of a pneumatic comparator.

TEXT BOOKS:

1. Production Engineering and Science: Dr. PC Pandey and Dr. CK Sharma, Standard publishers Distributors
2. Manufacturing science: Ghosh and Malik, E.W.Press

REFERENCE BOOKS:

1. Principles of metal cutting: Sen and Bhattacharya, New CentralBook.
2. Metal cutting principles: Shaw, MIT PressCambridge
3. Manufacturing analysis: Cook,Adisson-Wesley
4. Modern machining processes: Pandey and Shan, Tata McGraw HillPublications

Note: The Examiner will be given the question paper template and will have to set the question paper according to the template provided along with the syllabus

Theory of Machines-II							
B24-MTC-208							
Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hrs.)
3	1	0	4	70	30	100	3
Purpose	To study and understand about basic elements and mechanisms used in machines.						
Course Outcomes							
CO 1	Discussion on geometry of cutting tools and principles of metal cutting						
CO 2	Learn and understand economics of metal cutting						
CO 3	To know about jigs and fixtures and their application						
CO 4	To know about various measuring devices and their applications.						

UNIT I

Toothed wheels and gear trains: Introduction, friction wheels, advantages and disadvantages of gear drive, classification of toothed wheels, terms used in gears, condition for constant velocity ratio of toothed wheels-law of gearing, velocity of sliding of teeth, forms of teeth, cycloidal teeth, involute teeth, effect of altering the centre distance on the velocity ratio for involute teeth gears, comparison between involute and cycloidal gears, systems of gear teeth, standard proportions of gear systems, length of path of contact, length of arc of contact, contact ratio (or number of pairs of teeth in contact), interference in involute gears, minimum number of teeth on the pinion in order to avoid interference, minimum number of teeth on the wheel in order to avoid interference, minimum number of teeth on a pinion for involute rack in order to avoid interference, types of gear trains, simple gear train, compound gear train, design of spur gears, reverted gear train, epicyclic gear train, velocity ratio of epicyclic gear train (Sun and planet wheel), epicyclic gear train with bevel gears, torques in epicyclic gear trains.

UNIT II

Brakes and balancing of rotating masses: Introduction, materials for brake lining, types of brakes, single block or shoe brake, pivoted block or shoe brake, double block or shoe brake, simple band brake, differential band brake, band and block brake, internal expanding brake, braking of a vehicle, dynamometer, types of dynamometers, classification of absorption dynamometers, prony brake dynamometer, rope brake dynamometers, classification of transmission dynamometers, epicyclic-train dynamometers, belt transmission dynamometer-froude or thronycraft transmission dynamometer, torsion

Dynamometer, Bevis Gibson flash light torsion dynamometer.

Balancing of rotating masses, balancing of single rotating mass by a single rotating mass, balancing of single rotating masses by two masses rotating in different planes, balancing of several masses rotating in the same plane, balancing of several masses rotating in different planes.

UNIT III

Gyroscopic couple and precessional motion & automatic control: Precessional angular motion, gyroscopic couple, effect of gyroscopic couple on an aero plane, terms used in naval ship, effect of gyroscopic couple on naval ship during steering, effect of gyroscopic couple on naval ship during pitching, effect of gyroscopic couple on naval ship during rolling, stability of a four wheel drive moving in a curved path, stability of a two wheel vehicle taking a turn,

Introduction, open and closed loop control, terms used in automatic control of systems, types of automatic control systems, block diagram, lag in response, transfer function, overall transfer function, transfer function for a system with viscous damped output, open loop transfer function, closed loop transfer function.

UNIT IV

Longitudinal and transverse vibrations: Introduction, Terms Used in Vibratory Motion, Types of Vibratory Motion, Types of free Vibrations, Natural frequency of free Longitudinal Vibrations, Natural frequency of free Transverse Vibrations, Effect of Inertia of the Constraint in Longitudinal and Transverse Vibrations, Natural frequency of free Transverse Vibrations Due to a Point Load Acting Over a Simply Supported Shaft, Natural frequency of free Transverse Vibrations Due to Uniformly Distributed Load Over a Simply Supported Shaft, Natural frequency of free Transverse Vibrations of a Shaft fixed at Both Ends and Carrying a Uniformly Distributed Load, Natural frequency of free Transverse Vibrations for a Shaft Subjected to a Number of Point Loads.

TEXT BOOKS:

1. Theory of machines: S. S. Rattan, Tata McGraw Hill Publications
2. Theory of machines : R S Khurmi, S Chand Publications

REFERENCE BOOKS:

1. Theory of Mechanism and Machines: Jagdish Lal, Metropolitan Book Co.
2. Mechanism synthesis and analysis: A.H. Soni, McGraw Hill Publications.
3. Mechanism: J.S. Beggs.
4. Mechanics of Machines: P. Black, Pergamon Press.
5. Theory of Machines: P.L. Ballaney, Khanna Publisher.

Note: The Examiner will be given the question paper template and will have to set the question paper according to the template provided along with the syllabus

B24-MTC-210	Fluid Mechanics and Heat Transfer Lab						
Lecture	Tutorial	Practical	Credits	Internal Assessment	Practical	Total	Duration of Exam (Hrs.)
0	0	3	1.5	40	60	100	3
Purpose	To understand various principles adopted in heat transfer and fluid mechanics						
Course Outcomes							
CO 1	To demonstrate and verify Bernoulli's principle						
CO 2	To practically determine pipe fitting losses and buoyant force						
CO 3	Learn the process of determination of heat flow in conduction and convection						

LIST OF EXPERIMENTS

1. To verify Bernoulli's theorem experimentally
2. To determine friction losses in various types of pipe fittings
3. To calculate flow of fluid using orifice meter. Find out coefficient of discharge for the given orifice meter
4. To calculate the buoyant force using hydrostatic tank
5. To calculate heat flow rate in conduction through composite wall
6. To calculate heat transfer rate in convection using pin fin apparatus
7. Determine heat exchanger effectiveness.
8. To demonstrate Pascal's law.

NOTE: Student will be required to perform total of 8 experiments. 7 experiments will be from the below given list and rest experiments will be designed based upon the curriculum.

B24-MTC-212	Theory of Machines-II						
Lecture	Tutorial	Practical	Credits	Internal Assessment	Practical	Total	Duration of Exam (Hrs.)
0	0	3	1.5	40	60	100	3
Purpose	To study and understand about basic elements and mechanisms used in machines.						
Course Outcomes							
CO 1	Learn about MOI and practically verify the same for flywheel						
CO 2	Learn and understand gyroscopic effect and whirling of shaft						
CO 3	Understand the working of transmission unit and braking of an automobile						

LIST OF EXPERIMENTS

1. To determine experimentally, the moment of inertia of a flywheel and axle compare with theoretical values.
2. To find out critical speed experimentally and to compare the whirling speed of a shaft with theoretical values.
3. To find experimentally the Gyroscopic couple on motorized gyroscope and compare with applied couple.
4. To calculate the torque on a planet carrier and torque on internal gear using epicyclic gear train and holding torque apparatus.
5. To study the different types of centrifugal and inertia governors and demonstrate anyone.
6. To study the automatic transmission unit.
7. To study the differential types of brakes.
8. To find experimentally frequency of simple pendulum.

NOTE: Student will be required to perform total of 8 experiments. 7 experiments will be from the below given list and rest experiments will be designed based upon the curriculum.

B24-MTC-214	Digital Electronics Lab						
Lecture	Tutorial	Practical	Credits	Internal Assessment	Practical	Total	Duration of Exam (Hours)
0	0	2	1	40	60	100	3
Purpose	To learn the basic methods for the design of digital circuits and systems.						
Course Outcomes							
CO 1	To Familiarization with Digital Trainer Kit and associated equipment.						
CO 2	To Study and design of TTL gates						
CO 3	To learn the formal procedures for the analysis and design of combinational circuits.						
CO 4	To learn the formal procedures for the analysis and design of sequential circuits						

LIST OF EXPERIMENTS

1. Familiarization with Digital Trainer Kit and associated equipment.
2. Study of gates AND, OR, NOT, NAND, NOR, EX-OR, EX-NOR.
3. Design and realize a given function using K-Maps and verify its performance.
4. To verify the operation of Multiplexer and De-multiplexer.
5. To verify the operation of Comparator.
6. To verify the truth table of S-R, J-K, T, D Flip-flops.
7. To design and verify the operation of 3-bit asynchronous counter.
8. Study of Encoder and Decoder.
9. Study of A/D Converter.
10. Study of D/A Converter

NOTE: Student will be required to perform total of 8 experiments. 7 experiments will be from the below given list and rest experiments will be designed based upon the curriculum.

B24-MAC-202							
Essence of Indian Traditional Knowledge							
Lecture	Tutorial	Practical	Credits	End Semester Examination	Internal Assessment	Total	Duration of Exam (Hrs.)
3	-	-	-	-	100	100	3
Purpose: To facilitate the students with the concepts of Indian traditional knowledge and to make them understand the Importance of the roots of the knowledge system, analyze and apply to their day-to-day life.							
Course Outcomes							
CO1	The students will be able to understand, connect and explain the basics of Indian traditional knowledge from a modern scientific perspective.						
CO2	The students will be able to understand Holistic Health using the Indian Knowledge System.						
CO3	The students will be able to Manage their thoughts and Emotions and will learn positivity, self-regulation, and control.						
CO4	The students will be able to Achieve Consciousness through Indian Knowledge System.						

UNIT1

Introduction to Indian Traditional knowledge: Define traditional knowledge, importance, kinds of traditional knowledge. Philosophical systems, Basics of Rajyoga and Karam yoga, Benefits of Rajyoga and Karamyoga.

UNIT2

Holistic Health using Indian Knowledge System: Basic principles of natural life style, Benefits through five elements. Healing through food, Chakras and Mudras. Physical, Mental, Emotional and Spiritual health using traditional knowledge.

UNIT3

Positivity: Traditional approaches. Happiness: objective and subjective measures of wellbeing, life satisfaction. Resilience, Self-regulation and self-control, optimism, self-esteem. Managing thoughts and Emotions with the help of Rajyoga. Achieving Powers for Self-Mastery.

UNIT4

Achieving Consciousness through Indian Knowledge System: Emotional intelligence, Indian approach to Psychology. Consciousness; levels, body-mind relationship, self-motivation, Self and Identity in modern Psychology and Indian thought., Spirituality and well-being.

Reference and Text Books:

Mahadevan, M., Bhat, V.R. & Pavana N. (2022). Introduction to Indian Knowledge System: Concepts and Applications. PHILearning

Baumgardner, SR & Crothers, MK (2009). Positive Psychology. Prentice Hall/Pearson Education.

Cornelissen, R.M., Misra G. & Varma S. (2014). Foundations & Applications of Indian Psychology. Pearson Education. Rajyoga Education and Consciousness Improvement Programme for Educators, Rajyoga Education and Research Foundation.

Rajyoga Meditation Course, Thoughtkart, Jaipur (Rajasthan), India.

Prakartik Swasthya Shastra, Publisher Natural Lifestyle

Note: The paper setter will set the paper as per the question paper templates provided.

KURUKSHETRA UNIVERSITY, KURUKSHETRA

Scheme of Examinations for Under-Graduate Programme
Under multiple Entry-Exit, Internship & CBCS-LOCF-CCF in accordance to NEP 2020 w.e.f. 2025-26

Bachelor of Vocation in Textile & Fashion Designing/ Bachelor of Vocation in Fashion Technology/ Bachelor of Vocation in Interior Designing / Bachelor of Science in Fashion Designing

SEMESTER V								
Course	Paper (s)	Nomenclature of Paper (s)	Credits	Hours/ Week	Internal Marks	External Marks	Total Marks	Exam Duration
CC-M5 (V) @4 Credits	B25-VOC-146	Advanced Software Designing Techniques –I	2	2	15	35	50	3 Hrs
		Advanced Software Designing Techniques –I -Practical	2	4	15	35	50	4 Hrs

Session: 2025-26			
Part A - Introduction			
Subject	Bachelor of Vocation in Textile & Fashion Designing/ Bachelor of Vocation in Fashion Technology/ Bachelor of Vocation in Interior Designing / Bachelor of Science in Fashion Designing		
Semester	V		
Name of the Course	Advanced Software Designing Techniques –I		
Course Code	B25-VOC-146		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M5 (V)		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able :</p> <ol style="list-style-type: none"> 1. To understand basics of Tuka Design software in pattern making & basic principles of AutoCad . 2. To understand the tools of Tuka Design software & types & structure of drawings in AutoCad 3. To know grading, seam allowances, layout in Tuka Design and different steps in Sketch Up software. 4. To understand the darts, its types , pattern manipulation & tools of Lumion software. <hr style="width: 20%; margin-left: auto; margin-right: auto;"/> <p>5*. To get practical knowledge of drafting, pattern grading & pattern manipulation of child's, lady's & man's bodice block & modeling of project by using Sketch Up/ Lumion software.</p>		
Credits	Theory	Practical	Total

	2	2	4
Contact Hours	2	4	6
Max. Marks:100 Internal Assessment Marks:15(T)+15(P)=30 End Term Exam Marks:35(T)+35(P)=70		Time: 3hrs (T) 4hrs (P)	
Part B- Contents of the Course			
<p><u>Instructions for Paper- Setter:</u> The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.</p> <p><u>Instructions for the Candidate:</u> The candidates will attempt five questions in all, selecting at least one question from each unit as well as compulsory questions.</p>			
Unit	Topics		Contact Hours
I	<ul style="list-style-type: none"> • Basics of Tuka Design software. • Advantages of Tuka Design software • Pattern making through Tuka Design Software • Meaning , importance & types of AutoCad. • Basic principles & basic drawing tools in AutoCad • User interface in AutoCad, set up tips in AutoCad. 		07
II	<ul style="list-style-type: none"> • Tuka Design Software tools and their uses. • Symbols used in drafting, standard tool bar, traditional tool bar, professional tool bar, piece tool bar, file menu, edit menu, piece menu, view menu in Tuka Design software. • Types & structure of drawings, attaching image & adjusting scale , modification of commands, changing the image of objects in AutoCad, • Rendering environment and exposure palette, zooming & panning around drawing, orthographic projections, products of AutoCad & documentation. 		08

III	<ul style="list-style-type: none"> • Grading, seam allowances., layout and its types., summary card, layout of pattern for cutting and marker making for efficient fabric consumption in Tuka Design software. • Meaning, significance, types , basic tools, concepts , dimensions and different steps in Sketch Up software . 	07
IV	<ul style="list-style-type: none"> • Darts and its types. • Pattern manipulation – Shifting and relocating of darts, yoke manipulation- different styles- pivot, slash and measurement method. <ul style="list-style-type: none"> • Fullness and its types. • Meaning & significance of Lumion software . <ul style="list-style-type: none"> • Basic principles & tools of Lumion. • New rendering technologies in Lumion & Tips for effective rendering . 	08

V*	<p>1) Drafting of following :</p> <ul style="list-style-type: none"> • Basic pattern of lady’s bodice block. • Basic pattern of man’s bodice block. • Different styles of pockets. <p>2) Grading of following pattern :</p> <ul style="list-style-type: none"> • Lady’s bodice block. • Man’s bodice block. • Layout planning. <p>3) Pattern Manipulation of</p> <ul style="list-style-type: none"> • Lady’s bodice block. • Man’s bodice block. <p>4) Modeling of any project of student choice by using Sketch Up/ Lumion software & making a project file.</p>	60

Suggested Evaluation Methods

<p>Internal Assessment:</p> <p>> Theory</p> <ul style="list-style-type: none"> ● Class Participation: 04 ● Seminar/presentation/assignment/quiz/class test etc.:04 ● Mid-Term Exam: 07 <p>> Practicum</p> <ul style="list-style-type: none"> ● Class Participation: 05 ● Seminar/Demonstration/Viva-voce/Lab records etc.:10 ● Mid-Term Exam: NA 	<p>End Term Examination:</p> <p>35</p> <p>35</p>
---	--

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- **Aldrich W**- CAD in Clothing and Textiles, Blackwell Science, 1994.
- **Taylor P** - Computers in Fashion Industry, Heinemann Pub,1990.
- **Tuka Acadey of Pattern Engineering**- Tuka Cad User Manual.
- **Veisinet DD**- Computer Aided Drafting and Design - Concept and Application, 1987.
 - **James AL & Shawna L**- AutoCAD 2025 Instructor, 2024.
 - **Omura G**. 2005, Mastering Auto CAD 2005 and Auto CAD LT 2005, BPB Publications, New Delhi.
 - **Randy HS** - Tools for Design Using AutoCAD 2025 and Autodesk Inventor 2025, 2024.
 - **Saxena S**- A First Course in Computers, Vikas Publishing House, 2003.

*Applicable for courses having practical component.

KURUKSHETRA UNIVERSITY, KURUKSHETRA

**Scheme of Examinations for Under-Graduate Programme
Under multiple Entry-Exit, Internship & CBCS-LOCF-CCF in accordance to NEP 2020 w.e.f. 2025-26**

**Bachelor of Vocation in Textile & Fashion Designing/ Bachelor of Vocation in Fashion Technology/ Bachelor of Vocation in
Interior Designing / Bachelor of Science in Fashion Designing**

SEMESTER VI								
Course	Paper (s)	Nomenclature of Paper (s)	Credits	Hours/ Week	Internal Marks	External Marks	Total Marks	Exam Duration
CC-M7 (V) @4 Credits	B25-VOC-347	Advanced Software Designing Techniques - II	2	2	15	35	50	3 Hrs
		Advanced Software Designing Techniques - II -Practical	2	4	15	35	50	4 Hrs

Session: 2025-26	
Part A - Introduction	
Subject	Bachelor of Vocation in Textile & Fashion Designing/ Bachelor of Vocation in Fashion Technology/ Bachelor of Vocation in Interior Designing / Bachelor of Science in Fashion Designing
Semester	VI
Name of the Course	Advanced Software Designing Techniques - II
Course Code	B25-VOC-347
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M7 (V)
Level of the course (As per Annexure-I)	300-399
Pre-requisite for the course (if any)	NA
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able :</p> <ol style="list-style-type: none"> 1. To understand benefits of Tuka Studio & meaning & significance of 3ds max. 2. To understand the colour separation, repeats, colour ways, story board, and fabric rendering in Tuka Studio and interface & files used in 3ds Max.. 3. To know the knits, jacquard and weaves and fundamentals of 3 D modeling . 4. To understand the graf card and its uses and estimation of costing & time in modeling interior of a building. <hr style="width: 20%; margin-left: 0;"/> <p>5*. To gain practical knowledge about creating different motifs and sheets in repeats, colour separate and colour ways, jacquard ,story board ,weaves, and knits by using Tuka Studio/Ned Graphics and about 3ds max with V-Ray. rendering.</p>

Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks:100		Time: 3hrs (T)	
Internal Assessment Marks:15(T)+15(P)=30		4hrs (P)	
End Term Exam Marks:35(T)+35(P)=70			

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting at least one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> • Meaning & Benefits of Tuka Studio in textile & fashion designing industry. • Scope of Tuka Studio in textile & fashion designing industry. • Tools of Tuka Studio & their uses. • Meaning, significance, features, concepts, elements & tools of 3ds Max in interior designing. • Types of modeling in 3ds Max. <ul style="list-style-type: none"> • Basic steps in using 3ds Max. 	08
II	<ul style="list-style-type: none"> • Introduction & uses of the colour separation, repeats, colour ways & story board. • Interface, files used, fundamentals of 2 dimensional modeling & rendering of 2 dimensional shapes in 3ds Max . 	07
III	<ul style="list-style-type: none"> • Introduction and uses of knits, jacquard, weaves & fabric rendering. • Fundamentals of 3 D modeling, rendering of 3 dimensional shapes, assigning materials and textures & rendering with V-Ray. 	08

IV	<ul style="list-style-type: none"> • Introduction and uses of the graf card, colour palette, textures. & print. • Estimation of costing & time in modeling (2 D & 3 D) interior of a building, factors to be considered in estimating cost & time & tips for a more precise estimation. 	07
V*	<ol style="list-style-type: none"> 1) Study in detail about the different tools of Tuka Studio/NedGraphics. 2) Design household linens using Tuka Studio /NedGraphics 3) Create different motifs and sheets of each of the following by using Tuka Studio/Ned Graphics: <ol style="list-style-type: none"> i. Design repeats/checks. ii. Colour separate and colour ways. iii. Jacquard. iv. Story board. v. Weaves- Plain/ Twill/ Sateen. vi. Knits. 4) Make any 3 projects with 3ds max with V-Ray rendering. 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 04 • Seminar/presentation/assignment/quiz/class test etc.:04 • Mid-Term Exam: 07 ➤ Practicum <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.:10 • Mid-Term Exam: NA 		End Term Examination: 35 35
Part C-Learning Resources		

Recommended Books/e-resources/LMS:

- **Aldrich W**- CAD in Clothing and Textiles, Blackwell Science, 1994.
- **Rao PN**- CAD / CAM Principles & Applications, The McGraw Hill Companies.
- **Taylor P**- Computers in Fashion Industry, Heinemann Pub,1990.
- **Veisinet DD**- Computer Aided Drafting and Design - Concept and Application, 1987.
- **Zeid I**- Mastering CAD / CAM, The Mc Graw Hall Companies, 2006.
 - **Culbertson W** - 3ds Max Basics For Modeling Video Game Assets: Volume 1: Model A Complete Game Environment and Export to Unity or Other Game Engines 2019 .
 - **Murdock KL** - Autodesk 3ds Max 2025 Basics Guide, 2025.
 - **Sorthaw H** - 3Ds Max Complete 2024 Guide For Beginners: Mastering 3D Art From Basics to Advanced Techniques , 2023.
 - **Sunday S** - Complete Beginner to Master Step-by-Step Practical Guide for 3D Modeling, Animation and Visualization, 2023.

*Applicable for courses having practical component.

Session: 2025-26 (As per scheme 2024-25)			
Part A - Introduction			
Name of the Programme	M.Sc. (Tech.) Applied Geophysics		
Semester	3 rd		
Course Code	M24-OEC-319		
Course Type	OEC		
Name of the Course	Dynamics of the Earth		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 319.1: Acquiring knowledge about the solar system and evolution of the earth. CLO 319.2: Learn about the gravity and magnetic field of the Earth to enhance the understanding of geophysical knowledge.		
Credits	Theory	Practical	Total
	2	0	2
Teaching hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	2 hours		
Part B – Contents of the Course			
Instructions for the Paper- Setter:			
Five questions will be set and students will attempt three questions. Question No.1 will be compulsory of 20 marks and based on the conceptual aspects of the whole syllabus. The answers should not be in yes/no. In addition to question no.1 , there will be two units in the question paper each containing two questions of 15 marks each belonging to two units in the syllabus. Students will select one question from each unit.			
Unit	Topics	Contact Hours	
I	Origin and age of the solar system and the Earth, Evolution of Earth from its origin to the present, Continental drift and sea-floor spreading, Plate-tectonic theory and interactions of different types of plate boundaries, Earth's internal and external structure and composition, variation of seismic velocity, density, temperature and pressure from surface to the centre of the Earth. Rheological properties of Earth, evolution, structure and composition of Earth's atmosphere.	15	
II	The gravity field of the Earth, shape and size of the Earth, Gravity anomalies, theory of isostasy and its significance in	15	

	distribution of land and ocean, origin of the Earth's magnetic field, thermal structure of the Earth, global seismicity, characteristics of earthquakes: origin, distribution, causes and results. Interior of the Earth based on seismic waves. Geodynamics of Indian subcontinent, origin and tectonics of the Himalaya.	
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment:15		End Term Examination:35
➤ Theory	15	➤ Theory
Class Participation	04	Written Examination
Seminar/Presentation/ Assignment/Quiz	04	
Mid Term Exam	07	
Part C – Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Lowrie, W., Fundamentals of Geophysics, 2nd Edition, Cambridge University Press, 2007. 2. Lillie, R. J., Whole Earth Geophysics: An introduction textbook for geologist and geophysicists, Prentice Hall, New Jersey. 3. Davies, G. F., Dynamic Earth: Plates, Plumes and Mantle Convection, Cambridge University Press, 2000. 4. Fowler, C. M. R., The Solid Earth: An introduction to global Geophysics, 2nd Edition, Cambridge, University Press, 2004. 5. Stacey, F. D., and Davis, P., Physics of the Earth, 4th Edition, Cambridge University Press, 2008. 6. Bott, M. H. P., The interior of the Earth, 2nd Edition, Edward Arnold, London, 1982 		

KURUKSHETRA UNIVERSITY, KURUKSHETRA

(Established by the State Legislature Act-XII of 1956)

("A++" Grade, NAAC Accredited)



Modified Scheme of Examination (3rd & 4th Semester)

for

Post Graduate Programme

M.A. Music (Instrumental)

as per NEP 2020

Curriculum and Credit Framework for Postgraduate Programme

Internship and CBCS-LOCF

With effect from the session 2025-26

DEPARTMENT OF MUSIC & DANCE

FACULTY OF INDIC STUDIES

KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119

HARYANA, INDIA

KURUKSHETRA UNIVERSITY, KURUKSHETRA

Modified Scheme of Examination for Post Graduate Programme M.A. Music (Instrumental) as per NEP-2020

Curriculum and Credit frame work for Post Graduate Programme, Internship and CBCS-LOCF w.e.f. 2025-26

M.A. Music (Instrumental) under Scheme P (FRAMEWORK -1)

(Second Year: Semester-III)														
S e m e s t e r	Course Type	Course Code	Nomenclat ure of Paper	Theory (T)/ Practical (P)	Credits		Contact hours per week L: Lecture P: Practical T: Tutorial				Internal Assess ment marks	End Term Examinati on Marks	Total Marks	Exami nation Hours
					Total		L	T	P	Total				
3	CC-5	M24- MUV-301	Concepts of Classical and Regional Music of India (Theory)	T	4	22	4	0	0	4	30	70	100	3 hrs.
	CC-6	M24- MUV-302	Development of Indian classical Music in Modern Period (Theory)	T	4		4	0	0	4	30	70	100	3 hrs.
	DEC-1	M24-MUI- 303	Devotional Music of India	P	4		0	0	4	4	30	70	100	6 hrs.
		M24-MUI- 304	Folk Music of Haryana											
		M24-MUI- 305	Principals and Techniques of Playing Harmonium											
		M24-MUI- 306	Any Music Course from SWAYAM or CDOE KUK											
	PC-7	M24-MUI- 307	The Expression of the Ragas on Sitar (Practical)	P	4		0	0	8	8	30	70	100	6 hrs.
	PC-8	M24-MUI- 308	Demonstration of Various Ragangs (Instrumental Practical)	P	4		0	0	8	8	30	70	100	6 hrs.
OEC	M24-OEC- 333	Basic Terms of Sitar	T	2	2	0	0	2	15	35	50	3 Hrs.		

All Practical will be done in one group as per KUK norms

KURUKSHETRA UNIVERSITY, KURUKSHETRA

Modified Scheme of Examination for Post Graduate Programme M.A. Music (Instrumental) as per NEP-2020

Curriculum and Credit frame work for Post Graduate Programme, Internship and CBCS-LOCF w.e.f. 2025-26

M.A. Music (Instrumental) under Scheme P (FRAMEWORK -1)

(Second Year: Semester-1V)														
Sem ester	Course Type	Course Code	Nomenclature of Paper	Theory (T)/ Practica l (P)	Credits		Contact hours per week L: Lecture P: Practical T: Tutorial				Internal Assessment marks	End Term Examination Marks	Total Marks	Examination Hours
						Total	L	T	P	Total				
	CC-7	M24 – MUV- 401	Analytical Study of Indian Music	T	4	22	4	0	0	4	30	70	100	3 hrs.
	CC-8	M24 MUV- 402	Historical Aspects of Indian Classical Music From Post Independence to Present Time	T	4		4	0	0	4	30	70	100	3 hrs.
	DEC-2	M24 – MUI- 403	Indian Classical Music	P	4		0	0	4	4	30	70	100	6 hrs.
		M24 – MUI- 404	Light Music											
		M24 – MUI- 405	Folk Music of Punjab											
		M24 – MUI- 406	Any Music Course from SWAYAM or CDOE KUK											
	PC-9	M24-MUI 407	Presentation of Various Compositions on Sitar	P	4		0	0	8	8	30	70	100	6 hrs.
	PC-10	M24-MUI 408	Study of various Ragangs	P	4		0	0	8	8	30	70	100	6 hrs.
	EEC	M24 – MUV- 409	Research Ethics	T	2	2	0	0	2	15	35	50	3 Hrs.	

OR

DISSERTATION

(NOTE : IF A CANDIDATE IS OFFERED DISSERTATION COURSE , THEN HE /SHE WILL ALSO STUDY CC-7, CC-8 & EEC FROM ABOVE COURSES OF SEMESTER IV

Dissertation	M24 – MUI- 410	Dissertation	D	12	22	0	0	0	0	0	300	300	
		Total			92							2200	

*All Practical will be done in one group as per KUK norms

KURUKSHETRA UNIVERSITY, KURUKSHETRA

(Established by the State Legislature Act-XII of 1956)

(“A++” Grade, NAAC Accredited)



Syllabus of the Programme for Post Graduate Programme M.A. Music (Instrumental)

as per NEP 2020

Curriculum and Credit Framework for Postgraduate Programme

Internship and CBCS-LOCF

With effect from the session 2025-26

**DEPARTMENT OF MUSIC & DANCE
FACULTY OF INDIC STUDIES**

**KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119
HARYANA, INDIA**

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Instrumental		
Semester	III		
Name of the Course	Concepts of Classical and Regional Music of India (Theory)		
Course Code	M24 –MUV- 301		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	CC-5		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Enhance his/her knowledge about prescribed ragas and Taalas of Indian classical music and develops ability to write notation. 2. Enhance his/her knowledge about classification of various Ragas of Indian Music. 3. Enhance his/her knowledge about interdisciplinary areas of Music . 4. Enhance his/her knowledge about classification of various musical Instruments of Indian Music 		
Credits: 4	Theory	Practical	Total
	4	0	4
Contact Hours	4	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 3 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no. nine (Unit- V) will be compulsory and covers the whole syllabus, it contains 7 objective type questions of **two** marks each.

Unit	Topics	Contact Hours
I	<p>(i) A critical and comparative study of the following Ragas with special reference to Asawari , Kauns and Todi Ragangs : Asawari – Komal Rishabh Asavari Chandrakauns, Madhukauns , Bilaskhani Todi -Gurjari todi, Madhuvanti – Multani</p> <p>(ii) Detailed study of following Basic Ragas: Jaunpuri , Malkauns, Miyan Ki Todi</p> <p>(iii) Notation of Vilambit and Drut Khayal/ Gat of Ragas Prescribed in the Syllabus along with a few Mukh Alaps Tanas and Bol Tanas Toda with a capacity to write the notation in Bhatkhande as well as Visnudigamber Paddhati.</p>	15
II	<p>(i) Classification of Indian Musical Instrumental and knowledge of the techniques of the following classical musical instruments of north and south India prevalent in modern time. Vichitra Veena, Sarod, Shahnai, Tabla, Mridangam. Harmonium</p> <p>(ii) Types of Musical Compositions. Prabandha, Dhrupada and Dhamar.</p>	15

III	<p>Essays of the following topics from the view point of inter-disciplinary studies:-</p> <ol style="list-style-type: none"> a. Basic principles of Rag Mishran. b. Teaching techniques for virtual classroom . c. Appreciation of Music. d. Muslim contribution to Indian Music. e. Principles of Musical compositions. f. Role of Music in the promotion of Shrimad Bhagwad Geeta. 	15
IV	<ol style="list-style-type: none"> (i) Folk music of Haryana styles of Singing, Dancing and Instruments. (ii) The Popular Folk Tunes of different states e.g. Baul, Bhatiyali, Lawani and Bihu. (iii) Basic Elements of Bharat Natyam Dance (iv) Origin and Development of Bharat Natyam 	15
	.Total contact Hours	60
Suggested Evaluation Methods		
<p>Internal Assessment: 30</p> <p>➤ Theory 30</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:10 • Mid-Term Exam: 15 <p>➤ Practicum:</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		<p>End Term Examination: 70</p>

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
4. Raag Parichay Part (1-4) - Harishchand Shrivastav
5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
6. Pranav Bharti – Pt. Omkar Nath Thakur
7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande
8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee
9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe
10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh
11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma
12. Hamare Sangeet Ratna- Laxmi Narayan Garg
13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra
14. Samgaan – Prof. Pankej Mala Sharma
15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Instrumental		
Semester	III		
Name of the Course	Development of Indian Classical Music in Modern Period (Theory)		
Course Code	M24 –MUV- 302		
Course Type : (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	CC-6		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Enhance his /her knowledge about the development of music in modern period. 2. Enhance his /her knowledge about the various concepts of music explained in modern period. 3. Enhance his /her knowledge about the development of music in modern period. 4. Enhance his /her knowledge about the various concepts of music explained in modern period. 		
Credits: 4	Theory	Practical	Total
	4	0	4
Contact Hours	4	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 3 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no. nine (Unit- V) will be compulsory and covers the whole syllabus, it contains 7 objective type questions of **two** marks each.

Unit	Topics	Contact Hours
I	<ol style="list-style-type: none"> 1. Shruti Swara relation as described by modern thinkers :- S.N.Tagore, V.N.Bhatkhande, A. Denielou, Omkarnath Thakur, K.C.D.Brahaspati, L.M. Mishra, B.C.Deva etc. 2. Detailed study of the following : Alapti, Sthaya, Giti, Vritti, Kaku, Kutup, Gamaka. 	15
II	<p>Time theory of Ragas:</p> <ol style="list-style-type: none"> 1. Time theory of Ragas, its origin and development. 2. Observation of time in the Ragas. 3. Significance of time theory in Music. 	15
III	<p>Study of Western Music:</p> <ol style="list-style-type: none"> 1. Musical scales- Pythagoras, Diatonic, Natural, Equal tempered. 2. Elementary knowledge of Staff Notation. 3. Harmony, Melody, Major Tone, Minor Tone 	15
IV	<p>Contribution of the following composers and Musicians:</p> <ol style="list-style-type: none"> (i) Dr. Krishan Narayan Ratanjankar. (ii) Dr. K.C.D.Brihaspati (iii) Dr. Lal Mani Mishra (iv) Kumar Gandharva (v) Vidushi Gangu Bai Hangal 	15
	.Total Contact Hours	60

Suggested Evaluation Methods	
<p>Internal Assessment: 30</p> <p>➤ Theory 30</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:10 • Mid-Term Exam: 15 <p>➤ Practicum:</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 	<p>End Term Examination: 70</p>
Part C-Learning Resources	
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan 4. Raag Parichay Part (1-4) - Harishchand Shrivastav 5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa 6. Pranav Bharti – Pt. Omkar Nath Thakur 7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande 8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee 9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe 10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh 11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 12. Hamare Sangeet Ratna- Laxmi Narayan Garg 13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 14. Samgaan – Prof. Pankej Mala Sharma 15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik 	

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Instrumental		
Semester	III		
Name of the Course	Devotional Music Of India		
Course Code	M24 –MUI- 303		
CourseType: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-1		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge of prescribed Ragangs and imparts Creativity and Systematic improvisation ability in students. 2. Develops ability to perform Various classical vocal forms 3. Develops ability to perform semi classical vocal forms 4. Enhance his/her ability to perform Tarana. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	Aarti and Bhajan Traditions of North India	15
II	Devotional Traditions of Different Religions and Different Parts of Indian Hinduism, Sikhism, Muslim, Buddhism	15
III	1. Knowledge of Basic Taalas accompanies with Devotional music A) Dadra , B) Rupak, C). Kehrwa, D). Jhaptal 2. Demonstration of these Taalas on Hand	15
IV	Raga Based Devotional Music from Filmy Sangeet	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam:15 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Pranav Bharti – Pt. Omkar Nath Thakur 2. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande 3. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe 4. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh 5. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 6. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 		

KURUKSHETRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Instrumental		
Semester	III		
Name of the Course	Folk Music of Haryana		
Course Code	M24 –MUI- 304		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-1		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge of prescribed Ragangs and imparts Creativity and Systematic improvisation ability in students .. 2. Develops ability to perform Various classical vocal forms 3. Develops ability to perform semi classical vocal forms 4. Enhance his/her ability to perform Tarana. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	Songs of Different Seasons and Festivals A. Sawan ke Geet, B. Falgun Ke Geet ,	15
II	Sanskar Geet of Haryana A. Janm ke Geet B. Vivah ke Geet etc.	15
III	Devotional Folk Songs A. Sanjhi ke Geet , B. Gugga ke Geet, C. Lok Bhajans	15
IV	Folk Tradition of Haryana A. Ragini B. Saang Parampara (Folk Theatre Form)	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/ e-resources/LMS: <ol style="list-style-type: none"> 1. Haryana Tatha Punjab Ki Sangeet parampara- Dr. Reeta DhanKhar 2. Punjab Ki Sangeet Parampara – Geeta Paintal 3. Bhartiya Lok Nrityon Mein Haryana Tatha Rajasthan- Dr. Meera Sharma 4. Haryana Ki Lok Dharmi Natya Parampara Ka Aalochnatmak Adhyayan- Dr. Puran Chand Sharma 5. Haryana Ka Lok Sangeet – Reeta Dhankhar 6. Haryanvi Sangeet ka Udbhav Evam Vikas – Dr. Ram Mehar Singh 7. Haryana Ke Lok Geet – Dr. Sadhu ram Sharda 		

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Instrumental		
Semester	III		
Name of the Course	Principles and Techniques of Playing Harmonium		
Course Code	M24 –MUI- 305		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-1		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge of prescribed Ragangs and imparts Creativity and Systematic improvisation ability in students. 2. Develops ability to perform Various classical vocal forms 3. Develops ability to perform semi classical vocal forms 4. Enhance his/her ability to perform Tarana. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	Ten Basic Alankars in Shuddha and Vikrit Swaras on Harmonium	15
II	Performance of One Drut Khyal of any Raga of prescribed syllabus on Harmonium	15
III	One Song/ Bhanjan/ Gazal on Harmonium	15
IV	One Patriotic Song/ National Song / National Antham	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan 4. Raag Parichay Part (1-4) - Harishchand Shrivastav 5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa 6. Pranav Bharti – Pt. Omkar Nath Thakur 7. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 8. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 9. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik 		

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Instrumental		
Semester	III		
Name of the Course	The Expression of the Ragas on Sitar (Practical)		
Course Code	M24 –MUI- 307		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	PC-7		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge of prescribed Ragangs and imparts Creativity and Systematic improvisation ability in students .. 2. Develops ability to perform Various classical vocal forms 3. Develops ability to perform semi classical vocal forms 4. Enhance his/her ability to perform Tarana. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	8	8
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	Intensive study of the following Ragas mentioned below under Various Ragas Atleast One Maseetkhani Gat in any one of the following Ragas. General study of all the Ragas with one Razakhani Gat in each raga with Alap, Todas and Jhala Jaunpuri , Malkauns , Miyan Ki Todi	30
II	One Gat in other than Teen Taal in any one of the above mentioned ragas.	30
III	One Dhun in Any Raga	30
IV	Ability to play “Sare Jahan Se Achha” on Sitar.	30
	Total Contact Hours	120
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory : <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation:5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
4. Raag Parichay Part (1-4) - Harishchand Shrivastav
5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
6. Pranav Bharti – Pt. Omkar Nath Thakur
7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande
8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee
9. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma
10. Sitar and its Compositions- Dr. Vinay Kumar Aggrawal

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Instrumental		
Semester	III		
Name of the Course	Demonstration of Various Ragangs (Instrumental Practical)		
Course Code	M24 –MUI- 308		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	PC-8		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge about historical development of Raga of Indian classical music. 2. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity 3. Enhances knowledge and ability to demonstrate prescribed taalās on hands. 4. Develops ability to make notation 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	8	8
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	<p>A student has to Present one Intensive raga with Maseetkhani Gat and Razakhani Gat with alap, Toras and Jhala and asked by Examiner from prescribed syllabus in Paper-IV Viva -Voce ,as his/her choice Raga and perform it for not less than minutes before an invited audience .</p> <p>Asawari – Komal Rishabh Asavari Chandrakauns - Madhukauns , Bilaskhani Todi -Gurjari Todi, Madhuvanti – Multani</p>	30
II	Comparative study and full description of above said ragas with Similar ragas.	30
III	Capacity of demonstrate Talas on hand and on Tabla:- Ada -Chautaal, Deepchandi , Jat Taal	30
IV	Ability to make notation and tuning of his/her instrument.	30
	Total Contact Hours	120

Suggested Evaluation Methods	
<p>Internal Assessment: 30</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: <p>➤ Practicum:</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 	<p>End Term Examination: 70</p>
Part C-Learning Resources	
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan 4. Raag Parichay Part (1-4) - Harishchand Shrivastav 5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa 6. Pranav Bharti – Pt. Omkar Nath Thakur 7. Sitar and its Compositions- Dr. Vinay Kumar Aggrawal 	

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Instrumental		
Semester	III		
Name of the Course	Basic Terms of Sitar		
Course Code	M24 –OEC- 333		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	OEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge about the various terms and concepts of Sound and Indian Music. 2. Differentiate various terms used in Indian music 3. Enhances knowledge and ability to demonstrate prescribed taalās on hands. 4. Enhance his/her knowledge about the various Instrumental Forms and terms related to musical compositions of Indian Music. 5. Perform the given compositions 		
Credits: 4	Theory	Practical	Total
	2	0	2
Contact Hours	2	0	2
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks:35		Time: 3 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into four units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no. nine (Unit- V) will be compulsory and covers the whole syllabus, it contains 7 objective type questions of one marks each.

Unit	Topics	Contact Hours
I	<p style="text-align: center;">Music and Sound</p> <p>A. Origin and Development of Sitar B. Classification of Indian Musical Instruments C. Naad and its types Aahat Naad, Anhat Naad. D. Sound, Vibration and Frequency E. Saptak and its types, Madhya, Mandra and Taar Saptak .</p>	7
II	<p style="text-align: center;">Musical terms</p> <p>A. Shruti ,swar ,Shuddha Swar, Vikrit Swar B. Different Parts of Sitar C. Short notes on the following: D. Maseetkhani Gat, Razakhani Gat, Vadi, Samvadi and Vivadi Sawar, Aroh , Awroh , Pakad, Meend, Kan, Krintan</p>	7
III	<p style="text-align: center;">Introduction To Taal</p> <p>A. Laya and its types Vilambit laya Madhya laya drut laya. B. Theka , Avartan , Taali , Khali, Sum ,Vibhag. C. Teen Taal , kaharwa , Dadra, Ektaal ,Rupak , D. Ability to write notation on hands with Thah and Dugun .</p>	8
IV	<p style="text-align: center;">Instrumental Forms</p> <p>1.Gatand its types Maseetkhani and Razakhani Gat 2.Short note on the followings:</p>	8

	Raag , Gat, Baithak, Jhala, Aalap, Tora,	
Suggested Evaluation Methods		
Internal Assessment: 15 > Theory <ul style="list-style-type: none"> • Class Participation: 4 • Seminar/presentation/assignment/quiz/class test etc.: 4 • Mid-Term Exam: 7 > Practicum: <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		End Term Examination: 35
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Pranav Bharti – Pt. Omkar Nath Thakur 4. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande 5. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee 6. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe 7. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 8. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 		

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Instrumental		
Semester	IV		
Name of the Course	Analytical Study of Indian Music		
Course Code	M24 –MUV- 401		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	CC-7		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Enhance his/her knowledge about prescribed ragas and Talas of Indian classical music and develops ability to write notation 2. Enhances knowledge about classification of various Ragas of Indian Music. 3. Enhances knowledge about interdisciplinary areas of Music . 4. Enhances knowledge about classification of various musical Instruments of Indian Music. 		
Credits: 4	Theory	Practical	Total
	4	0	4
Contact Hours	4	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 3 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no. nine (Unit- V) will be compulsory and covers the whole syllabus, it contains 7 objective type questions of two marks each.

Unit	Topics	Contact Hours
I	(i) A Critical and Comparative Study of the following Ragas with special reference to Bihag , Purvi and Kanhada Raganga, Bihag - Nat Bihag , Basant – Paraj Shahana kanhada – Abhogi Kanhada (ii) General Study of the following basic Ragas: Maru Bihag, Puriya Dhanasree, Darbari Kanhada	15
II	(i) A Study of the following Talas with different Layakaries as Aad (1-1/2 beats) Dugun ,Tigun, Chaugun and Chhaguna, Dhamar, Sultaal, Tilwara and Deepchandi Taal	15
III	(i) Classification of Indian Musical Instruments and knowledge of the techniques of the following classical Musical Instrumental of North & South India prevalent in Modern Time:- Sarangi, Surbahar, Flute, Pakhawaj. (ii) Principles of Orchestra and its desirability and possibility in Hindustani Music. (iii) Essays on the following topics from the view point of inter- disciplinary studies: A. Basic principles of Stage performance. B. Role of new Media in the Development of	15

	<p>Indian Classical Music.</p> <p>C. Impact of Music and Shrimad Bhagwad Geeta on Society.</p>	
IV	<p>Study of Folk Music of Punjab:</p> <p>(i) Folk Music of Punjab:- Styles of Singing, Dancing and Instruments.</p> <p>(ii) The popular Folk Tunes of Different States e.g. Garba, Raas, Kajri, Chaiti and Jhoomar.</p> <p>(iii) Basic Elements and Schools of Kathak Dance</p>	15
	Total Contact Hours	60
Suggested Evaluation Methods		
<p>Internal Assessment: 30</p> <p>> Theory 30</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:10 • Mid-Term Exam: 15 <p>> Practicum:</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		<p>End Term Examination: 70</p>
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan 4. Raag Parichay Part (1-4) - Harishchand Shrivastav 5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa 6. Pranav Bharti – Pt. Omkar Nath Thakur 7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande 8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee 9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe 10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh 11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 12. Hamare Sangeet Ratna- Laxmi Narayan Garg 13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 14. Samgaan – Prof. Pankej Mala Sharma 15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik 		

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Instrumental		
Semester	IV		
Name of the Course	Historical Aspects of Indian Classical Music From Post Independence to Present Time		
Course Code	M24 –MUV- 402		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	CC-8		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Enhance his/her knowledge about prescribed ragas and talas of Indian classical music and develops ability to write notation 2. Enhances knowledge about classification of various Ragas of Indian Music. 3. Enhances knowledge about interdisciplinary areas of Music . 4. Enhances knowledge about classification of various musical Instruments of Indian Music. 		
Credits: 4	Theory	Practical	Total
	4	0	4
Contact Hours	4	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 3 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no. nine (Unit- V) will be compulsory and covers the whole syllabus, It contains 7 objective type questions of two marks each.

Unit	Topics	Contact Hours
I	<ol style="list-style-type: none"> I. Study of the development of Music special reference to the following works: Pranav Bharti, Bharatiya Sangeet Vadhya, Bharatiya Sangeet Ka Itihas -Sharchander Shridhar Pranjpe and Jaidev Thakur, Sangeet Chintamani II. Contributions of iconic Hindustani musicians: Pt. Bhimsen Joshi, Vidhushi Kishori Amonkar, Pt. Kumar Gandharva, Pt. Ravi Shankar, Ustad Ali Akbar Khan, Ustad Vilayat Khan. 	15
II	<p style="text-align: center;">The Rise of Institutions and Formal Education</p> <ol style="list-style-type: none"> I. The growth of universities and music colleges offering structured training. II. Debates on the merits and limitations of institutional learning and Guru Shiksha Prampara in reference to Indian music III. Development and existence of Gharanas in modern period 	15
III	<p style="text-align: center;">The Impact of Technology and Globalization in the field of Indian Music</p> <ol style="list-style-type: none"> I. The influence of recording technology (vinyl, cassettes, CDs) on dissemination and preservation. II. The role of radio and television in popularizing classical music. III. The impact of globalization and cross-cultural collaborations. IV. The advent of the internet and digital platforms: opportunities and challenges. 	15

IV	<p>The Dawn of a New Era of Indian Classical Music after independence</p> <p>I. The Role of the Newly formed Government in Cultural preservation and promotion.</p> <p>II. The establishment of key institutions: All India Radio (AIR), Doordarshan, Sangeet Natak Akademi, and their initial impact.</p> <p>III. The role of organizations and Sabhas in promoting classical Music concerts and festivals. Harriballab Sangeet Samelan, Sankat Mochan and Dharupad mela</p>	15
Total Contact Hours		60
Suggested Evaluation Methods		
<p>Internal Assessment: 30</p> <p>➤ Theory 30</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:10 • Mid-Term Exam: 15 <p>➤ Practicum:</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		<p>End Term Examination: 70</p>
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan 4. Raag Parichay Part (1-4) - Harishchand Shrivastav 5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa 6. Pranav Bharti – Pt. Omkar Nath Thakur 7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande 8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee 9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe 10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh 11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 12. Hamare Sangeet Ratna- Laxmi Narayan Garg 13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 14. Samgaan – Prof. Pankej Mala Sharma 15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik 		

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Instrumental		
Semester	IV		
Name of the Course	Indian Classical Music		
Course Code	M24 –MUI- 403		
Course Type : (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-2		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity. 2. Enhance his/her knowledge about historical development of Raga of Indian classical music. 3. Enhances knowledge and ability to demonstrate prescribed talas on hands. 4. Develops ability to make notation. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	<p>1. Intensive study of the following Ragas mentioned below under Various Ragas Atleast One Maseetkhani Gat in any one of the following Ragas. General study of all the Ragas with one Razakhani Gat in each raga with Alap, Todas and Jhala:-</p> <p>Maru Bihag, Puriya Dhanasree ,Darbari Kanhda</p>	15
II	<p>2. One Gat in other than Teen Taal in any one of the above mentioned ragas.</p>	15
III	<p>3. One Dhun in any Raga</p>	15
IV	<p>4. Ability to play Aye mere watan ke logo on Sitar. Raag based Film Song on Sitar.</p>	15
	Total Contact Hours	60

Suggested Evaluation Methods	
<p>Internal Assessment: 30</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: <p>➤ Practicum: 30</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 	<p>End Term Examination: 70</p>
Part C-Learning Resources	
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan 4. Raag Parichay Part (1-4) - Harishchand Shrivastav 5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa 6. Pranav Bharti – Pt. Omkar Nath Thakur 7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande 8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee 9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe 10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh 11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 12. Hamare Sangeet Ratna- Laxmi Narayan Garg 13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 14. Samgaan – Prof. Pankej Mala Sharma 15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik 16. Sitar and its Compositions- Dr. Vinay Kumar Aggrawal 	

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Instrumental		
Semester	IV		
Name of the Course	Light Music		
Course Code	M24 –MUI- 404		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-2		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Develops ability to perform semi classical vocal forms 2. Develops ability to demonstrate Various taalas on hands 3. Develops ability to perform various light vocal forms 4. Enhance his/her ability to perform various songs with instruments. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	One composition in each of the followings 1. National Song 2. National Anthem	15
II	Ability to demonstrate the following Talas with Thah and Dudun layakaries Dadra , Kaharwa , Rupak ,	15
III	Ability to perform the followings 1. Geet, 2. Gazal, 3. Bhajan,	15
IV	Raga Based Composition in Semi-classical and Folk Music	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
4. Raag Parichay Part (1-4) - Harishchand Shrivastav
5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
6. Pranav Bharti – Pt. Omkar Nath Thakur
7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande
8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee
9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe
10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh
11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma
12. Hamare Sangeet Ratna- Laxmi Narayan Garg
13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra
14. Samgaan – Prof. Pankej Mala Sharma
15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Instrumental		
Semester	IV		
Name of the Course	Folk Music of Punjab		
Course Code	M24 –MUI-405		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-2		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1 Enhance his/her knowledge about historical development of Raga of Indian classical music. 2. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity 3. Enhances knowledge and ability to demonstrate prescribed talas on hands. 4. Develops ability to make notation 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	1. Songs of Different Seasons, 2. Sanskar Geet of Punjab,	15
II	Playing any Folk Instruments of Punjab Israj, Rabab, Algojha, Sarangi, Tumbi etc.	15
III	Songs/ Tunes of Punjab Anushthan Geet, Punjabi Bhent, Vraton ke Geet, Kirtan, Bhajan Heer Mirza	
IV	1.Tappe, Jugni, Dhola, Mahia on Sitar 2.Folk Songs based on Ragas	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Haryana Tatha Punjab Ki Sangeet parampara- Dr. Reeta Dhankhar
2. Punjab Ki Sangeet Parampara – Geeta Paintal
3. Punjab Ke Lok Geet – Dr. Ashok Sharma

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (MUSIC INSTRUMENTAL)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Instrumental		
Semester	IV		
Name of the Course	Presentation of Various Compositions on sitar		
Course Code	M24 –MUI- 407		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	PC-9		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge about historical development of Raga of Indian classical music. 2. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity 3. Enhances knowledge and ability to demonstrate prescribed Taalas on hands. 4. Develops ability to make notation 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	8	8
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	A Student has to Present one Intensive Raga with Vilambit and Drut Gat with Alap , Jor, Todas etc, Maru Bihag , Puriya Dhanasree , Darbari Kanhada	30
II	Comparative study and full description of above said ragas with Similar ragas.	30
III	Capacity of demonstrate Talas on hand and on Tabla- Dhamar Sultaal Tilwara	30
IV	Ability to make notation and tuning of his/her instrument.	30
	Total Contact Hours	120
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70
Part C-Learning Resources		

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
4. Raag Parichay Part (1-4) - Harishchand Shrivastav
5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
6. Pranav Bharti – Pt. Omkar Nath Thakur

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (MUSIC INSTRUMENTAL)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Instrumental		
Semester	IV		
Name of the Course	Study of Various Ragangs		
Course Code	M24 –MUI- 408		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	PC-10		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge about historical development of Raga of Indian classical music. 2. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity 3. Enhances knowledge and ability to demonstrate prescribed taalās on hands. 4. Develops ability to make notation 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	8	8
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	
Part B-Contents of the Course			

Unit	Topics	Contact Hours
I	A critical and comparative study of the following Ragas with special reference to Bihag , Purvi and Kanhara Raganga, Bihag - Nat Bihag , Basant – Paraj , Shahana kanhara – Abhogi Kanhara	30
II	General study of the following basic Ragas: Maru Bihag , Puriya Dhanasree , Darbari	30
III	A study of the following Talas with different Layakaries as Aad (1-1/2 beats) Dugun ,tigun, Chaugun and Chhaguna . Dhamar ,Sultaal ,Tilwara.	30
IV	Ability to make notation and tuning of his/her instrument.	30
	Total Contact Hours	120
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70
Part C-Learning Resources		

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
4. Raag Parichay Part (1-4) - Harishchand Shrivastav
5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
6. Pranav Bharti – Pt. Omkar Nath Thakur

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Instrumental		
Semester	IV		
Name of the Course	Research Ethics		
Course Code	M24 –MUV- 409		
Course Type : (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	EEC		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Enhance his/her Knowledge about Research 2. Enhance his/her Knowledge about methods of data collections 3. Enhance his/her Knowledge about data analysis and research 4. Enhance his/her Knowledge about research ethics and scientific writing 		
Credits: 2	Theory	Practical	Total
	2	0	2
Contact Hours	2	0	2

Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks:35		Time: 3 Hours
Part B-Contents of the Course		
<u>Instructions for Paper- Setter</u>		
<ol style="list-style-type: none"> 1. There shall be Nine Questions in all. 2. The Question paper will be divided into five units. 3. Paper Setter has to set 2 questions from each unit of syllabus given below ,a total of 8 questions from all 4 units. 4. The Question no. nine (Unit- V) will be and compulsory and covers the whole syllabus, it contains 7 objective type questions of one marks each. <p>All questions Carry equal marks.</p>		
Unit	Topics	Contact Hours
I	Introduction to Research Methodology <ul style="list-style-type: none"> • The Nature of Research: Defining research, types of research (basic vs. applied, quantitative vs. qualitative), and the research process. • Formulating a Research Question: Identifying researchable topics, developing clear and focused research questions, and hypotheses (if applicable). • Literature Review: Importance of literature review, searching for relevant sources, critical evaluation of existing research. 	7
II	Research Design and Methods <ul style="list-style-type: none"> • Research Designs: Exploring different research designs (experimental, quasi-experimental, survey, case study, etc.) based on research objectives. • Sampling Techniques: Understanding sampling methods (probability vs. non-probability), sample size determination, and sampling bias. • Data Collection Methods: Exploring various data collection methods (surveys, interviews, observations, document analysis) and choosing appropriate methods for specific research questions. 	8
III	Data Analysis and Interpretation	7

	<ul style="list-style-type: none"> • Quantitative Data Analysis: Descriptive statistics (measures of central tendency and dispersion), basic statistical tests (hypothesis testing, correlation, etc.), and data analysis software. • Qualitative Data Analysis: Techniques for analyzing qualitative data (coding, thematic analysis, narrative analysis) and using qualitative analysis software (optional). • Data Interpretation: Drawing meaningful conclusions from analyzed data, identifying limitations, and discussing the implications of research findings. 	
IV	<p>Research Ethics and Scientific Writing</p> <ul style="list-style-type: none"> • Research Ethics: Understanding ethical principles like informed consent, anonymity, confidentiality, and responsible conduct of research. • Scientific Writing: Structure of a research paper (introduction, literature review, methodology, results, discussion, conclusion, references), academic writing style, and citation styles (APA, MLA, etc.). • Research Communication: Effective presentation of research findings (oral presentations, posters, research reports). 	8
Suggested Evaluation Methods		
<p>Internal Assessment: 15</p> <p>➤ Theory 15</p> <ul style="list-style-type: none"> • Class Participation: 4 • Seminar/presentation/assignment/quiz/class test etc.:4 • Mid-Term Exam: 7 <p>➤ Practicum:</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		<p>End Term Examination: 35</p>
Part C-Learning Resources		
<ul style="list-style-type: none"> • "Research Methods in Indian Music" by Anju Gupta and Abhimanyu Dev • Research Methodology in Humanities and Social Sciences by Vishavjeet 		

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Instrumental)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Instrumental		
Semester	IV		
Name of the Course	Dissertation		
Course Code	M24-MUI-410		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	Dissertation		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge about historical development of Raga of Indian classical music. 2. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity 3. Enhances knowledge and ability to demonstrate prescribed Talas on hands. 4. Develops ability to make Notation 		
Credits: 12	Theory	Practical	Total
	12		12
Contact Hours	0	0	
Max. Marks: 300 Internal Assessment Marks: End Term Exam Marks:300		Time:	

Part B-Contents of the Course

- Synopsis presentation & approval of subject – August.
- Presentation & Seminar - January.
- Final submission – 31stMarch.
- The evaluation of Dissertation and Viva-voce will be conducted by External & Internal Examiner.

Unit	Topics	
I	<p>DISSERTATION: Student has to choose one thrust area in the supervision of concern teacher and has to submit a Dissertation about the selected topic before the Exam .The thrust areas are Classical Music, Semi Classical Music, Light Music, Devotional Music, folk music</p>	
Suggested Evaluation Methods		
Viva-voce		End Term Examination:300

KURUKSHETRA UNIVERSITY, KURUKSHETRA

(Established by the State Legislature Act-XII of 1956)

("A++" Grade, NAAC Accredited)



Modified Scheme of Examination (4th Semester)

for

Post Graduate Programme

M.A. Music (Vocal)

as per NEP 2020

Curriculum and Credit Framework for Postgraduate Programme

Internship and CBCS-LOCF

With effect from the session 2025-26

DEPARTMENT OF MUSIC & DANCE

FACULTY OF INDIC STUDIES

KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119

HARYANA, INDIA

KURUKSHETRA UNIVERSITY, KURUKSHETRA
Modified Scheme of Examination for Post Graduate Programme M.A. Music (Vocal) as per NEP-2020
Curriculum and Credit frame work for Post Graduate Programme, Internship and CBCS-LOCF w.e.f. 2025-26
M.A. Music (Vocal) under Scheme P (FRAMEWORK -1)

(Second Year: Semester-1V)															
Sem ester	Course Type	Course Code	Nomenclature of Paper	Theory (T)/ Practica l (P)	Credits		Contact hours per week L: Lecture P: Practical T: Tutorial				Internal Assessment marks	End Term Examination Marks	Total Marks	Examination Hours	
						Total	L	T	P	Total					
4	CC-7	M24 – MUV- 401	Analytical Study of Indian Music	T	4	22	4	0	0	4	30	70	100	3 hrs.	
	CC-8	M24 MUV- 402	Historical Aspects of Indian Classical Music From Post Independence to Present Time	T	4		4	0	0	4	30	70	100	3 hrs.	
	DEC-2	M24 – MUV- 403	Indian Classical Music		P		4	0	0	4	4	30	70	100	6 hrs.
			Light Music												
			Folk Music of Punjab												
			Any Music Course from SWAYAM or CDOE KUK												
	PC-9	M24-MUV 407	Impact of Stage Performance on Audience Engagement in Live Music Performances		P		4	0	0	8	8	30	70	100	6 hrs.
	PC-10	M24-MUV 408	Explore The main Features of Raga and Ragangas		P		4	0	0	8	8	30	70	100	6 hrs.
EEC	M24 – MUV- 409	Research Ethics		T	2	2	0	0	2	15	35	50	3 Hrs.		

OR DISSERTATION
 (NOTE : IF A CANDIDATE IS OFFERED DISSERTATION COURSE , THEN HE /SHE WILL ALSO STUDY CC-7, CC-8 & EEC FROM ABOVE
 COURSES OF SEMESTER IV

Dissertation	M24 – MUV- 410	Dissertation	D	12	22	0	0	0	0	0	300	300	
		Total			92							2200	

*All Practical will be done in one group as per KUK norms.

KURUKSHETRA UNIVERSITY, KURUKSHETRA

(Established by the State Legislature Act-XII of 1956)

(“A++” Grade, NAAC Accredited)



Syllabus of the Programme for Post Graduate Programme M.A. Music (Vocal)

as per NEP 2020

Curriculum and Credit Framework for Postgraduate Programme

Internship and CBCS-LOCF

With effect from the session 2025-26

**DEPARTMENT OF MUSIC & DANCE
FACULTY OF INDIC STUDIES**

**KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119
HARYANA, INDIA**

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Vocal		
Semester	III		
Name of the Course	Concepts of Classical and Regional Music of India (Theory)		
Course Code	M24 –MUV- 301		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	CC-5		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Enhance his/her knowledge about prescribed ragas and Taalas of Indian classical music and develops ability to write notation. 2. Enhance his/her knowledge about classification of various Ragas of Indian Music. 3. Enhance his/her knowledge about interdisciplinary areas of Music. 4. Enhance his/her knowledge about classification of various musical Instruments of Indian Music 		
Credits: 4	Theory	Practical	Total
	4	0	4
Contact Hours	4	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 3 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no. nine (Unit- V) will be compulsory and covers the whole syllabus, it contains 7 objective type questions of two marks each.

Unit	Topics	Contact Hours
I	<p>(i) A critical and comparative study of the following Ragas with special reference to Asawari , Kauns and Todi Ragangs : Asawari – Komal Rishabh Asavari Chandrakauns, Madhukauns , Bilaskhani Todi -Gurjari todi, Madhuvanti – Multani</p> <p>(ii) Detailed study of following Basic Ragas: Jaunpuri , Malkauns ,Miyani Ki Todi</p> <p>(iii) Notation of Vilambit and Drut Khayal/ Gat of Ragas Prescribed in the Syllabus along with a few Mukta Alaps Tanas and Bol Tanas Toda with a capacity to write the notation in Bhatkhande as well as Vishnudigamber Paddhati</p>	15
II	<p>(i) Classification of Indian Musical Instrumental and knowledge of the techniques of the following classical musical instruments of north and south India prevalent in modern time. Vichitra Veena, Sarod, Shahnai, Tabla, Mridangam. Harmonium</p> <p>(ii) Types of Musical Compositions. Prabandha, Dhruvada and Dhamar.</p>	15

III	<p>Essays of the following topics from the view point of inter-disciplinary studies:-</p> <ol style="list-style-type: none"> a. Basic principles of Raga Mishran. b. Teaching techniques for virtual classroom. c. Appreciation of Music. d. Muslim contribution to Indian Music. e. Principles of Musical compositions. f. Role of Music in the promotion of Shrimad Bhagwad Geeta. 	15
IV	<ol style="list-style-type: none"> (i) Folk Music of Haryana styles of Singing, Dancing and Instruments. (ii) The Popular Folk Tunes of different states e.g. Baul, Bhatiyali, Lawani and Bihu. (iii) Basic Elements of Bharat Natyam Dance (iv) Origin and Development of Bharat Natyam 	15
	Total contact Hours	60
Suggested Evaluation Methods		
<p>Internal Assessment: 30</p> <p>> Theory 30</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15 <p>> Practicum:</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		<p>End Term Examination: 70</p>

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
4. Raag Parichay Part (1-4) - Harishchand Shrivastav
5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
6. Pranav Bharti – Pt. Omkar Nath Thakur
7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande
8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee
9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe
10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh
11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma
12. Hamare Sangeet Ratna- Laxmi Narayan Garg
13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra
14. Samgaan – Prof. Pankej Mala Sharma
15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Vocal		
Semester	III		
Name of the Course	Development of Indian classical Music in Modern Period (Theory)		
Course Code	M24 –MUV- 302		
Course Type : (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	CC-6		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Enhance his /her knowledge about the development of music in modern period. 2. Enhance his /her knowledge about the various concepts of music explained in modern period. 3. Enhance his /her knowledge about the development of music in modern period. 4. Enhance his /her knowledge about the various concepts of music explained in modern period. 		
Credits: 4	Theory	Practical	Total
	4	0	4
Contact Hours	4	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 3 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no. nine (Unit- V) will be compulsory and covers the whole syllabus,
 - a. it contains 7 objective type questions of two marks each.

Unit	Topics	Contact Hours
I	<ol style="list-style-type: none"> 1. Shruti Swara relation as described by modern thinkers :- S.N.Tagore, V.N.Bhatkhande, A. Denielou, Omkarnath Thakur, K.C.D.Brahaspati, L.M. Mishra, B.C.Deva etc. 2. Detailed study of the following : Alapti, Sthaya, Giti, Vritti, Kaku, Kutup, Gamaka. 	15
II	<p>Time theory of Ragas:</p> <ol style="list-style-type: none"> 1. Time theory of Ragas, its origin and development. 2. Observation of time in the Ragas. 3. Significance of time theory in Music. 	15
III	<p>Study of Western Music:</p> <ol style="list-style-type: none"> 1. Musical scales- Pythagoras, Diatonic, Natural, Equal tempered. 2. Elementary knowledge of Staff Notation. 3. Harmony, Melody, Major Tone, Minor Tone 	15
IV	<p>Contribution of the following composers and Musicians:</p> <ol style="list-style-type: none"> (i) Dr. Krishan Narayan Ratanjankar. (ii) Dr. K.C.D.Brihaspati (iii) Dr. Lal Mani Mishra (iv) Kumar Gandharva (v) Vidushi Gangu Bai Hangal 	15
	Total Contact Hours	60

Suggested Evaluation Methods	
<p>Internal Assessment: 30</p> <p>➤ Theory 30</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:10 • Mid-Term Exam: 15 <p>➤ Practicum:</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 	<p>End Term Examination: 70</p>
Part C-Learning Resources	
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan 4. Raag Parichay Part (1-4) - Harishchand Shrivastav 5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa 6. Pranav Bharti – Pt. Omkar Nath Thakur 7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande 8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee 9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe 10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh 11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 12. Hamare Sangeet Ratna- Laxmi Narayan Garg 13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 14. Samgaan – Prof. Pankej Mala Sharma 15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik 	

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Vocal		
Semester	III		
Name of the Course	Devotional Music of India		
Course Code	M24 –MUV- 303		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-1		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge of prescribed Ragangs and imparts Creativity and Systematic improvisation ability in students .. 2. Develops ability to perform Various classical vocal forms 3. Develops ability to perform semi classical vocal forms 4. Enhance his/her ability to perform Tarana. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	Kirtan and Bhajans Traditions of North India	15
II	Devotional Traditions of Different Religions and Different Parts of Indian Sikhism, Jainism, Buddhism,	15
III	1.Contemporary Trends of Devotional Music in India 2.Fusion of Devotional Music with Other Genres	15
IV	Sufi Devotional Music Quwwali, Kafi	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam:15 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Pranav Bharti – Pt. Omkar Nath Thakur 2. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande 3. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe 4. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh 5. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 6. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 		

KURUKSHETRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Vocal		
Semester	III		
Name of the Course	Folk Music of Haryana		
Course Code	M24 –MUV- 304		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-1		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge of prescribed Ragangs and imparts Creativity and Systematic improvisation ability in students .. 2. Develops ability to perform Various classical vocal forms 3. Develops ability to perform semi classical vocal forms 4. Enhance his/her ability to perform Tarana. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	Songs of Different Seasons and Festivals Hori ke Geet , Sawan ke Geet, Falgun Ke Geet , Kartik Snan Ke Geet , Jhule ke Geet Bhai Dooj Ke Geet, Raksha Bandhan ke Geet, etc.	15
II	Sanskar Geet of Haryana Janm Ke Geet, Vivah Ke Geet, Mritu ke Geet , Solah Sanskaron ke Geet etc.	15
III	Devotional Folk Songs Vraton Ke Geet, Harjas , Tulsi Puja ke Geet, Devi Maa Ke Geet, Sanjhi ke Geet , Gugga ke Geet, Lok Bhajans etc.	15
IV	1. Ragini and its types 2. Nritya Geet, Prem Geet , Virta ke geet , Rashtra Prem Ke Geet, Krishi Geet, etc. 3. Folk Instruments of Haryana	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70

Part C-Learning Resources

Recommended Books/ e-resources/LMS:

1. Haryana Tatha Punjab Ki Sangeet parampara- Dr. Reeta DhanKhar
2. Punjab Ki Sangeet Parampara – Geeta Paintal
3. Bhartiya Lok Nrityon Mein Haryana Tatha Rajasthan- Dr. Meera Sharma
4. Haryana Ki Lok Dharmi Natya Parampara Ka Aalochnatmak Adhyayan- Dr. Purn Chand Sharma
5. Haryana Ka Lok Sangeet – Reeta Dhankhar
6. Haryanvi Sangeet ka Udbhav Evam Vikas – Dr. Ram Mehar Singh
7. Haryana Ke Lok Geet – Dr. Sadhu ram Sharda

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Vocal		
Semester	III		
Name of the Course	Principles and Techniques of Playing Harmonium		
Course Code	M24 –MUV- 305		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-1		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge of prescribed Ragangs and imparts Creativity and Systematic improvisation ability in students .. 2. Develops ability to perform Various classical vocal forms 3. Develops ability to perform semi classical vocal forms 4. Enhance his/her ability to perform Tarana. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	Ten Basic Alankars in Shuddha and Vikrit Swaras on Harmonium	15
II	Performance of One Drut Khyal of any Raga of prescribed syllabus on Harmonium	15
III	One Song/ Bhanjan/ Gazal on Harmonium	15
IV	One Patriotic Song/ National Song / National Antham	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan 4. Raag Parichay Part (1-4) - Harishchand Shrivastav 5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa 6. Pranav Bharti – Pt. Omkar Nath Thakur 7. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 8. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 9. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik 		

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Vocal		
Semester	III		
Name of the Course	Enhancing Ragas Expressiveness Through Stage Performance (Practical)		
Course Code	M24 –MUV- 307		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	PC-7		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge of prescribed Ragangs and imparts Creativity and Systematic improvisation ability in students .. 2. Develops ability to perform Various classical vocal forms 3. Develops ability to perform semi classical vocal forms 4. Enhance his/her ability to perform Tarana. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	8	8
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	Intensive study of the following Ragas mentioned below under Various Angs, Atleast One Vilambit Khyal in each of the following Ragangs. General study of all the Ragas with one Drut Khyal in each Raga with Alap and Taans/Todas. Jaunpuri, Malkauns ,Miyani Ki Todi	30
II	One Dhrupad or Dhamar or One Sadra in any one of the above mention ragas.	30
III	One Thumari or Dadra in any Raga	30
IV	One Tarana in any raga of prescribed syllabus.	30
	Total Contact Hours	120
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory : <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation:5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
4. Raag Parichay Part (1-4) - Harishchand Shrivastav
5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
6. Pranav Bharti – Pt. Omkar Nath Thakur
7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande
8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee
9. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Vocal		
Semester	III		
Name of the Course	Evolution and Evaluation of Different Raga (Practical)		
Course Code	M24 –MUV- 308		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	PC-8		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge about historical development of Raga of Indian classical music. 2. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity 3. Enhances knowledge and ability to demonstrate prescribed Taalas on hands. 4. Develops ability to make Notation 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	8	8
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	<p>A student has to Present one Intensive raga with Vilambit and Drut Khyal with Alap ,Taan , Bol Taans etc, asked by Examiner from prescribed syllabus in Paper-IV Viva -Voce ,as his/her choice Raga and perform it for not less than minutes before an invited audience .</p> <p>Asawari – Komal Rishabh Asavari Chandrakauns, Madhukauns , Bilaskhani Todi -Gurjari todi, Madhuvanti – Multani</p>	30
II	Comparative study and full description of above said ragas with Similar ragas.	30
III	Capacity of demonstrate Talas on hand and on Tabla-Ada - Chautaal, Deepchandi , Jat Taal	30
IV	Ability to make notation and tuning of his/her instrument.	30
	Total Contact Hours	120
Suggested Evaluation Methods		
<p>Internal Assessment: 30</p> <p>> Theory</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: <p>> Practicum: 30</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		<p>End Term Examination: 70</p>

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
4. Raag Parichay Part (1-4) - Harishchand Shrivastav
5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
6. Pranav Bharti – Pt. Omkar Nath Thakur

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Vocal		
Semester	III		
Name of the Course	Fundamentals of Indian Music		
Course Code	M24 –OEC- 334		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	OEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1 Enhance his/her knowledge about the various terms and concepts of Sound and Indian Music. 2. Differentiate various terms used in Indian music 3. Enhances knowledge and ability to demonstrate prescribed taalās on hands. 4. Enhance his/her knowledge about the various Vocal Forms and terms related to musical compositions of Indian Music. 5. Perform the given compositions 		
Credits: 4	Theory	Practical	Total
	2	0	2
Contact Hours	2	0	2
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks:35		Time: 3 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into four units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no. nine (Unit- V) will be compulsory and covers the whole syllabus, it contains 7 objective type questions of one marks each.

Unit	Topics	Contact Hours
I	<p style="text-align: center;">Music and Sound</p> <ol style="list-style-type: none"> 1. Music and its types – Classical, Semi Classical, Folk Music and Light music. 2. Sound, Vibration, Frequency. 3. Naad and its types Aahat Naad, Anhat Naad. 4. Aspects of Music ,practical and theory 5. Saptak and its types, Madhya Mandra and Taar saptak . 	7
II	<p style="text-align: center;">Musical Terms</p> <ol style="list-style-type: none"> 1. Shruti ,swar ,Shuddha Swar, Vikrit Swar 2. Origin and development of Swara 3. Short notes on the following: Raga, Vadi, Samvadi and Vivadi swar, Aroh , Awroh , pakad, Samprakartik Raga, Gayan Samay 	7
III	<p style="text-align: center;">Introduction to Taal</p> <ol style="list-style-type: none"> 1. Laya and its types Vilambit Laya Madhya Laya Drut laya. 2. Theka , Avartan , Taali , Khali, Sum ,Vibhag. 3. Teen Taal , Kaharwa , Dadra, Ektaal ,Rupak , 4. Ability to write notation and demonstration on hands with Thah and Dugun . 	8
IV	<p style="text-align: center;">Vocal Forms</p> <ol style="list-style-type: none"> 1. Khyal and its types Vilambit and Drut Khyal , 2. Short note on the followings: 	8

	Bandish , Dhrupad ,Dhmar , Tarana, Bhajan, Geet, Ghazal	
Suggested Evaluation Methods		
Internal Assessment: 15 > Theory <ul style="list-style-type: none"> • Class Participation: 4 • Seminar/presentation/assignment/quiz/class test etc.: 4 • Mid-Term Exam: 7 > Practicum: <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		End Term Examination: 35
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Pranav Bharti – Pt. Omkar Nath Thakur 4. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande 5. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee 6. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe 7. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 8. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 		

KURUKSHETRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Vocal		
Semester	IV		
Name of the Course	Analytical Study of Indian Music		
Course Code	M24 –MUV- 401		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	CC-7		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Enhance his/her knowledge about prescribed ragas and talas of Indian classical music and develops ability to write notation 2. Enhances knowledge about classification of various Ragas of Indian Music. 3. Enhances knowledge about interdisciplinary areas of Music . 4. Enhances knowledge about classification of various musical Instruments of Indian Music. 		
Credits: 4	Theory	Practical	Total
	4	0	4
Contact Hours	4	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 3 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no. nine (Unit- V) will be compulsory and covers the whole syllabus, it contains 7 objective type questions of two Marks each.

Unit	Topics	Contact Hours
I	<p>(i) A Critical and Comparative Study of the following Ragas with special reference to Bihag , Purvi and Kanhada Raganga, Bihag - Nat Bihag , Basant – Paraj Shahana kanhada – Abhogi Kanhada</p> <p>(ii) General Study of the following basic Ragas: Maru Bihag, Puriya Dhanasree, Darbari Kanhada</p>	15
II	<p>(i) A Study of the following Talas with different Layakarries as Aad (1-1/2 beats) Dugun ,Tigun, Chaugun and Chhaguna, Dhamar, Sultaal, Tilwara and Deepchandi Taal</p>	15
III	<p>(i) Classification of Indian Musical Instruments and knowledge of the techniques of the following classical Musical Instrumental of North & South India prevalent in Modern Time:- Sarangi, Surbahar, Flute, Pakhawaj.</p> <p>(ii) Principles of Orchestra and its desirability and possibility in Hindustani Music.</p> <p>(iii) Essays on the following topics from the view point of inter- disciplinary studies:</p> <p>(a) Basic principles of Stage performance.</p> <p>(b) Role of new Media in the Development of Indian Classical Music.</p> <p>(c) Impact of Music and Shrimad Bhagwad Geeta on Society.</p>	15

IV	Study of Folk Music of Punjab:	15
	<ul style="list-style-type: none"> (i) Folk Music of Punjab:- Styles of Singing, Dancing and Instruments. (ii) The popular Folk Tunes of Different States e.g. Garba, Raas, Kajri, Chaiti and Jhoomar. (iii) Basic Elements and Schools of Kathak Dance 	
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: 30 <ul style="list-style-type: none"> > Theory 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:10 • Mid-Term Exam: 15 > Practicum: <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan 4. Raag Parichay Part (1-4) - Harishchand Shrivastav 5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa 6. Pranav Bharti – Pt. Omkar Nath Thakur 7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande 8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee 9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe 10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh 11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 12. Hamare Sangeet Ratna- Laxmi Narayan Garg 13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 14. Samgaan – Prof. Pankej Mala Sharma 15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik 		

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (MUSIC VOCAL)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Vocal		
Semester	IV		
Name of the Course	Historical aspects of Indian Classical Music From Post Independence to Present Time		
Course Code	M24 –MUV- 402		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-8		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Enhance his/her knowledge about prescribed ragas and Talas of Indian classical music and develops ability to write notation 2. Enhances knowledge about classification of various Ragas of Indian Music. 3. Enhances knowledge about interdisciplinary areas of Music . 4. Enhances knowledge about classification of various musical Instruments of Indian Music. 		
Credits: 4	Theory	Practical	Total
	4	0	4
Contact Hours	4	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 3 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no. nine (Unit- V) will be compulsory and covers the whole syllabus, it contains 7 objective type questions of two marks each.

Unit	Topics	Contact Hours
I	<ol style="list-style-type: none"> I. Study of the development of Music special reference to the following works: Pranav Bharti, Bharatiya Sangeet Vadhya, Bharatiya Sangeet Ka Itihas -Sharchander Shridhar Pranjpe, Bharatiya Sangeet Ka Itihas – Jaidev Thakur, Sangeet Chintamani II. Contributions of iconic Hindustani musicians: Pt. Bhimsen Joshi, Vidhushi Kishori Amonkar, Pt. Kumar Gandharva, Pt. Ravi Shankar, Ustad Ali Akbar Khan, Ustad Vilayat Khan. 	15
II	<p style="text-align: center;">The Rise of Institutions and Formal Education</p> <ol style="list-style-type: none"> I. The growth of universities and music colleges offering structured training. II. Debates on the merits and limitations of institutional learning versus the <i>guru-shishya parampara</i>. III. Development and existence of Gharanas in modern period 	15
III	<p style="text-align: center;">The Impact of Technology and Globalization (8 hours)</p> <ol style="list-style-type: none"> I. The influence of recording technology (vinyl, cassettes, CDs) on dissemination and preservation. II. The role of radio and television in popularizing classical music. III. The impact of globalization and cross-cultural collaborations. IV. The advent of the internet and digital platforms: opportunities and challenges. 	15

IV	The Dawn of a New Era of Indian Classical Music after independence	15
	<p>I. The role of the newly formed government in cultural preservation and promotion.</p> <p>II. The establishment of key institutions: All India Radio (AIR), Doordarshan, Sangeet Natak Akademi, and their initial impact.</p> <p>III. The role of organizations and sabhas in promoting classical music concerts and festivals.</p>	
Suggested Evaluation Methods		
Internal Assessment: 30 <p>> Theory 30</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:10 • Mid-Term Exam: 15 <p>> Practicum:</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur 2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande 3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan 4. Raag Parichay Part (1-4) - Harishchand Shrivastav 5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa 6. Pranav Bharti – Pt. Omkar Nath Thakur 7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande 8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee 9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe 10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh 11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma 12. Hamare Sangeet Ratna- Laxmi Narayan Garg 13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra 14. Samgaan – Prof. Pankej Mala Sharma 15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik 		

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Vocal		
Semester	IV		
Name of the Course	Indian Classical Music		
Course Code	M24 –MUV- 403		
Course Type : (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-2		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity. 2. Enhance his/her knowledge about historical development of Raga of Indian classical music. 3. Enhances knowledge and ability to demonstrate prescribed talas on hands. 4. Develops ability to make notation. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	Intensive study of the following Ragas mentioned below under Various Angs. Atleast one Vilambit Khyal in any each of the following Ragangs. General study of all the Ragas with one Drut Khyal in each raga with Alap and Taans . Maru Bihag , Puriya Dhanasree , Darbari	15
II	One Dhrupad or Dhamar in any one of the above mention ragas.	15
III	One Thumari or Dadra in any Raga.	15
IV	1. One Sadra or bandish in Jhap Taal in any raga of prescribed syllabus 2. One Tarana in any raga of prescribed syllabus	15
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
4. Raag Parichay Part (1-4) - Harishchand Shrivastav
5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
6. Pranav Bharti – Pt. Omkar Nath Thakur
7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande
8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee
9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe
10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh
11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma
12. Hamare Sangeet Ratna- Laxmi Narayan Garg
13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra
14. Samgaan – Prof. Pankej Mala Sharma
15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Vocal		
Semester	IV		
Name of the Course	Light Music		
Course Code	M24 –MUV- 404		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-2		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Develops ability to perform semi classical vocal forms 2. Develops ability to demonstrate Various taalās on hands 3. Develops ability to perform various light vocal forms 4. Enhance his/her ability to perform various songs with instruments. 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	One composition in each of the followings 1. National Song 2. National Anthem	15
II	Ability to demonstrate the following Talas with Thah and Dudun layakaries Dadra , Kaharwa , Rupak ,	15
III	Ability to perform the followings Geet, Gazal, Bhajan, Kawwali ,Orchestra Classical Music , Semi Classical Music,	15
IV	Raga Based Composition in Semi-classical and Folk Music	15
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
3. Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
4. Raag Parichay Part (1-4) - Harishchand Shrivastav
5. Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
6. Pranav Bharti – Pt. Omkar Nath Thakur
7. Bhatkhande Sangeet Shastra- (1-4) V. N. Bhatkhande
8. Sangeet Bodh – Shreedhar Sharad Chandra Pranjpayee
9. Bhartiya Sangeet ka Itihas- Shreedhar Sharad Chandra Pranjpe
10. Bhartiya Sangeet ka Itihas- Thakur Jaidev Singh
11. Bhartiya Sangeet Vaiggyanik Vishleshan- Dr. Swatantra Sharma
12. Hamare Sangeet Ratna- Laxmi Narayan Garg
13. Bhartiya sangeet Vadhya – Pt. Lal Mani Mishra
14. Samgaan – Prof. Pankej Mala Sharma
15. Bhartiya Sangeet ke Tantri Vadya – Dr. Prakash Mahadik

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Vocal		
Semester	IV		
Name of the Course	Folk Music of Punjab		
Course Code	M24 –MUV- 405		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	DEC-2		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge about historical development of Raga of Indian classical music. 2. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity 3. Enhances knowledge and ability to demonstrate prescribed talas on hands. 4. Develops ability to make notation 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	4	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	1.Songs of Different Seasons, 2.Sanskar Geet of Punjab,	15
II	Kissa Gayan, Heer Ranjha, Mirza Sahiba, Sassi Punnu, Sohni Mahiwal, Dulha Bhatti	15
III	Devotional songs of Punjab Anushthan Geet, Punjabi Bhent, Vraton ke Geet, Kirtan, Bhajan	15
IV	1. War Gayan, Vraton Ke Geet, Prem Ke Geet, Mahiya, Kafiyaan, Mitti Da Bawa 2. Folk Songs based on Ragas	15
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Haryana Tatha Punjab Ki Sangeet parampara- Dr. Reeta DhanKhar 2. Punjab Ki Sangeet Parampara – Geeta Paintal 3. Punjab Ke Lok Geet – Dr. Ashok Sharma 		

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Vocal		
Semester	IV		
Name of the Course	Impact of Stage Performance on Audience Engagement In Live Music Performances		
Course Code	M24 –MUV- 407		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	PC-9		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge about historical development of Raga of Indian classical music. 2. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity 3. Enhances knowledge and ability to demonstrate prescribed taalās on hands. 4. Develops ability to make notation 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	8	8
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	A Student has to Present one Intensive Raga with Vilambit and Drut Khayal with Alap, Toda etc. Maru Bihag , Puriya Dhanasree , Darbari Kanhada	30
II	Comparative study and full description of above said ragas with Similar ragas.	30
III	Capacity of demonstrate Talas on hand and on Tabla Dhamar Sultaal Tilwara	30
IV	Ability to make notation and tuning of his/her instrument.	30
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
2. Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
- 3.Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
- 4.Raag Parichay Part (1-4) - Harishchand Shrivastav
- 5.Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
- 6.Pranav Bharti – Pt. Omkar Nath Thakur

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music Vocal)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Vocal		
Semester	IV		
Name of the Course	Explore the Main Feature of Raga and Ragangs		
Course Code	M24 –MUV- 408		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	PC-10		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge about historical development of Raga of Indian classical music. 2. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity 3. Enhances knowledge and ability to demonstrate prescribed taalās on hands. 4. Develops ability to make notation 		
Credits: 4	Theory	Practical	Total
	0	4	4
Contact Hours	0	8	8
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks:70		Time: 6 Hours	

Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	A critical and comparative study of the following Ragas with special reference to Bihag , Purvi and Kanhara Raganga, Bihag - Nat Bihag , Basant – Paraj , Shahana kanhara – Abhogi Kanhara	30
II	General study of the following basic Ragas: Maru Bihag , Puriya Dhanasree , Darbari	30
III	A study of the following Talas with different Layakaries as Aad (1-1/2 beats) Dugun ,tigun, Chaugun and Chhaguna . Dhamar ,Sultaal ,Tilwara.	30
IV	Ability to make notation and tuning of his/her instrument.	30
Suggested Evaluation Methods		
Internal Assessment: 30 > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: > Practicum: 30 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: 15 		End Term Examination: 70

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Sangeetanjali – Part (1-6) Pt. Omkar nath thakur
- 2.Kramik Pustak Mallika- Part (1-6) V. N. Bhatkhande
- 3.Raag Vigyan - Part (1-6) Pt. V. R. Patvardhan
- 4.Raag Parichay Part (1-4) - Harishchand Shrivastav
- 5.Abhinav Gitanjali (1-5) Pt. Ramashraye Jhaa
- 6.Pranav Bharti – Pt. Omkar Nath Thakur

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music VOCAL)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A – Introduction			
Subject	Music Vocal		
Semester	IV		
Name of the Course	Research Ethics		
Course Code	M24 –MUV- 409		
Course Type : (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	EEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Enhance his/her Knowledge about Research 2. Enhance his/her Knowledge about methods of data collections 3. Enhance his/her Knowledge about data analysis and research 4. Enhance his/her Knowledge about research ethics and scientific writing 		
Credits: 2	Theory	Practical	Total
	2	0	2
Contact Hours	2	0	2
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks:35		Time: 3 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

1. There shall be Nine Questions in all.
 2. The Question paper will be divided into five units.
 3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
 4. The Question no. nine (Unit- V) will be and compulsory and covers the whole syllabus, it contains 7 objective type questions of one marks each.
- All questions Carry equal marks.

Unit	Topics	Contact Hours
I	<p style="text-align: center;">Introduction to Research Methodology</p> <ul style="list-style-type: none"> • The Nature of Research: Defining research, types of research (basic vs. applied, quantitative vs. qualitative), and the research process. • Formulating a Research Question: Identifying researchable topics, developing clear and focused research questions, and hypotheses (if applicable). • Literature Review: Importance of literature review, searching for relevant sources, critical evaluation of existing research. 	7
II	<p style="text-align: center;">Research Design and Methods</p> <ul style="list-style-type: none"> • Research Designs: Exploring different research designs (experimental, quasi-experimental, survey, case study, etc.) based on research objectives. • Sampling Techniques: Understanding sampling methods (probability vs. non-probability), sample size determination, and sampling bias. • Data Collection Methods: Exploring various data collection methods (surveys, interviews, observations, document analysis) and choosing appropriate methods for specific research questions. 	8
III	<p style="text-align: center;">Data Analysis and Interpretation</p> <ul style="list-style-type: none"> • Quantitative Data Analysis: Descriptive statistics (measures of central tendency and dispersion), basic statistical tests (hypothesis testing, correlation, etc.), and data analysis software. • Qualitative Data Analysis: Techniques for analyzing 	7

	<p>qualitative data (coding, thematic analysis, narrative analysis) and using qualitative analysis software (optional).</p> <ul style="list-style-type: none"> • Data Interpretation: Drawing meaningful conclusions from analyzed data, identifying limitations, and discussing the implications of research findings. 	
IV	<p>Research Ethics and Scientific Writing</p> <ul style="list-style-type: none"> • Research Ethics: Understanding ethical principles like informed consent, anonymity, confidentiality, and responsible conduct of research. • Scientific Writing: Structure of a research paper (introduction, literature review, methodology, results, discussion, conclusion, references), academic writing style, and citation styles (APA, MLA, etc.). • Research Communication: Effective presentation of research findings (oral presentations, posters, research reports). 	8
Suggested Evaluation Methods		
<p>Internal Assessment: 15</p> <ul style="list-style-type: none"> ➤ Theory 15 <ul style="list-style-type: none"> • Class Participation: 4 • Seminar/presentation/assignment/quiz/class test etc.:4 • Mid-Term Exam: 7 ➤ Practicum: <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		<p>End Term Examination: 35</p>
Part C-Learning Resources		
<ul style="list-style-type: none"> • "Research Methods in Indian Music" by Anju Gupta and Abhimanyu Dev • Research Methodology in Humanities and Social Sciences by Vishavjeet 		

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Arts (M.A.) (Music VOCAL)
Under NEP-2020 W.E.F. 2024-25

Session: 2025-26			
Part A - Introduction			
Subject	Music Vocal		
Semester	IV		
Name of the Course	Dissertation		
Course Code	M24-MUV-410		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/V AC)	Dissertation		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1 Enhance his/her knowledge about historical development of Raga of Indian classical music. 2. Ability to differentiate the various ragas and enhances the skills to make notation and improvise ragas with their creativity 3. Enhances knowledge and ability to demonstrate prescribed talas on hands. 4. Develops ability to make notation 		
Credits: 12	Theory	Practical	Total
	12		12
Contact Hours	0	0	
Max. Marks: 300 Internal Assessment Marks: End Term Exam Marks:300		Time:	

Part B-Contents of the Course

Instructions for Paper- Setter

- Synopsis presentation & approval of subject – August.
- Presentation & Seminar - January.
- Final submission – 31stMarch.
- The evaluation of Dissertation and Viva-voce will be conducted by External & Internal Examiner.

Unit	Topics	
I	<p>DISSERTATION: Student has to choose one thrust area in the supervision of concern teacher and has to submit a Dissertation about the selected topic before the Exam .The thrust areas are Classical Music, Semi Classical Music, Light Music, Devotional Music, folk music</p>	
Suggested Evaluation Methods		
Viva-voce		End Term Examination:300

KURUKSHETRA UNIVERSITY, KURUKSHETRA

(Established by the State Legislature Act-XII of 1956)

(“A++” Grade, NAAC Accredited)

Inclusion of CC-HM1, CC-HM2, CC-PGM1 & CC-PGM2 Courses in Scheme of Exams (7th Sem to 10th Sem) and Syllabus

for

Master of Performing Arts (M.P.A.)

(5-Year Integrated)



**Under Multiple Entry-Exit, Internship and CBCS-LOCF in accordance to NEP-2020
w.e.f. 2025-26**

(Fourth year:Semester-7)(FOR HONOURS/HONOURS WITH RESEARCH)									
Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration	
CC-H1 4 Credits	B23-PAS-701	Theoretical survey of Indian Music	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-711	Origin and Development of Strings instruments	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-721	History of Indian Percussion Instruments	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-731	Ancient History of Kathak Dance	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	CC-H2 4 Credits	B23-PAS-702	Principles and Techniques of Stage Performance	2	2	15	35	50	3hrs.
			Practical	2	4	15	35	50	6hrs.
		B23-PAS-712	String instruments in Ancient period	2	2	15	35	50	3hrs.
			Practical	2	4	15	35	50	6hrs.
B23-PAS-722		Concept of different Tabla Gharana	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
B23-PAS-732		Aesthetic Principles of Dance	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
CC-H3		B23-PAS-703	Applied theory of Performing Arts	2	2	15	35	50	3hrs.
			Practical	2	4	15	35	50	6hrs.
		B23-PAS-713	Non percussion instruments and Indian	2	2	15	35	50	3hrs.

4 credit Select one option		music in medieval period							
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-723	Analytical study of South Indian Taal system.	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-733	Study of Folk Dances of India and treatise	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	DSE-H14 credit Select one Option	B23-PAS-704	Basic training of Stage and Sound Arrangement and Music Appreciation	2	2	15	35	50	3hrs.
			Practical	2	4	15	35	50	6hrs.
B23-PAS-714		Comparative study between North Indian and South Indian music	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
B23-PAS-724		Technical and Mathematical studies of Tabla compositions	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
		B23-PAS-734	General introduction to the classical Dances of India	2	2	15	35	50	3hrs.
			Practical	2	4	15	35	50	6hrs.
PC-H1 4 credit Select one Option	B23-PAS-705	Vocal Stage Performance	4	4	30	70	100	6hrs.	
	B23-PAS-715	Sitar Stage Performance	4	4	30	70	100	6hrs.	
	B23-PAS-725	Tabla Stage Performance	4	4	30	70	100	6hrs.	
	B23-PAS-735	Kathak Stage Performance	4	4	30	70	100	6hrs.	
CC-HM1 4 credit	From the available courses as per NEP Ordinance								

*The Course Codes according to different specializations are given below .

Sem VII - Vocal -701 to705 ,Sitar- 711-715 ,Tabla – 721-725 ,Kathak -731-735

(Fourth Year: Semester-8)(FOR HONOURS)								
Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration
CC-H4 4 credit Select one option	B23-PAS-801	Historical Development of Indian Music	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-811	Indian Musical education in pre Muslim Era	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-821	Conventional music and Instruments of India	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
B23-PAS-831	History and Development of Kathak Dance in Literature	2	2	15	35	50	3hrs.	
	Practical	2	4	15	35	50	6hrs.	
CC-H5 4 credit Select one option	B23-PAS-802	Principles and techniques of Stage Performance & Recording Studio Works	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-812	Historical development of Voice recording	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-822	Study of musical acoustics and its implications in music.	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
B23-PAS-832	Aesthetic of Dance in Literature	2	2	15	35	50	3hrs.	
	Practical	2	4	15	35	50	6hrs.	
CC-H6 4 credit Select one option	B23-PAS-803	Aesthetical Study of Indian Music	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-813	Different schools of Indian musical instruments	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-823	Various non-percussion instruments	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
B23-PAS-833	Principal and Techniques of Stage Performance	2	2	15	35	50	3hrs.	
	Practical	2	4	15	35	50	6hrs.	
DSE-H2 4 credit Select one Option	B23-PAS-804	Digital Era Recording Techniques and Application of Music	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-814	Sitar in different forms of classical, semi	2	2	15	35	50	3hrs.

		classical and light music						
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-824	Functioning of music production	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-834	General Introduction of Vocal in Kathak Dance	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
PC-H2	B23-PAS-805	Vocal Stage Performance	4	4	30	70	100	6hrs.
4 credit	B23-PAS-815	Sitar Stage Performance	4	4	30	70	100	6hrs.
Select one Option	B23-PAS-825	Tabla Stage Performance	4	4	30	70	100	6hrs.
	B23-PAS-835	Kathak Stage Performance	4	4	30	70	100	6hrs.
CC-HM2	From the available courses as per NEP Ordinance							
4 credit								

*The Course Codes according to different specializations are given below

Sem VIII - Vocal -801 to805 ,Sitar- 811-815 ,Tabla – 821-825 ,Kathak -831-835

ORSEMESTER-8(FORHONOURSWITHRESEARCH)								
Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration

CC-H4 4 credit Select one option	B23-PAS-801	Historical Development of Indian Music	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-811	Indian Musical education in pre Muslim Era	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-821	Conventional music and Instruments of India	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
B23-PAS-831	History and Development of Kathak Dance in Literature	2	2	15	35	50	3hrs.	
	Practical	2	4	15	35	50	6hrs.	
CC-H5 4 credit Select one option	B23-PAS-802	Principles and techniques of Stage Performance & Recording Studio Works	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-812	Historical development of Voice recording	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-822	Study of musical acoustics and its implications in music	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
B23-PAS-832	Aesthetic of Dance in Literature	2	2	15	35	50	3hrs.	
	Practical	2	4	15	35	50	6hrs.	
Project/ Dissertation 12 credit	B23-PAS-806	Project/Dissertation	8+4	-	-	-	-	-
Project/ Dissertation 12 credit	B23-PAS-816	Project/Dissertation	8+4	-	-	-	-	-
Project/ Dissertation 12 credit	B23-PAS-826	Project/Dissertation	8+4	-	-	-	-	-
Project/ Dissertation 12 credit	B23-PAS-836	Project/Dissertation	8+4	-	-	-	-	-
CC-HM2 4 credit	From the available courses as per NEP Ordinance							

*The Course Codes according to different specializations are given below

Sem IX - Vocal -801 to806 ,Sitar- 811-816 ,Tabla – 821-826 ,Kathak -831-836

Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration	
CC-PG1 4 credit Select one option	B23-PAS-901	Interdisciplinary Approach in Indian Music	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-911	Structure and school of Indian string instruments	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-921	Musicology and essay compositions.	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-931	History and Development of Dance in Purans	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	CC-PG2 4 credit Select one option	B23-PAS-902	Aesthetics of Indian Music	2	2	15	35	50	3hrs.
			Practical	2	4	15	35	50	6hrs.
B23-PAS-912		Notation system and Gatas of Sitar	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
B23-PAS-922		Aesthetical components of rhythm.	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
B23-PAS-932		Aesthetic of Dance in Purans	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
B23-PAS-903		Voice Modulation Voice Culture & Application of Sound in Indian Music	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	

CC-PG3 4 credit Select one option	B23-PAS-913	Schools of non-percussion instruments and their player	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-923	Principals of accompaniment	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-933	Therapeutic Aspects of Classical Dance	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
DSE-PG1 4 Credits Select one Option	B23-PAS-904	Multidimensional Aspects of Indian Music	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-914	Fundamentals of recording studio and sitar recording	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-924	Multidisciplinary Aspects of Indian Music	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	B23-PAS-934	Study of Compositional Patterns of Kathak	2	2	15	35	50	3hrs.	
		Practical	2	4	15	35	50	6hrs.	
	PC-PG1 4 credit Select one Option	B23-PAS-905	Vocal Stage Performance	4	4	30	70	100	6 hrs.
		B23-PAS-915	Sitar Stage Performance	4	4	30	70	100	6hrs.
B23-PAS-925		Tabla Stage Performance	4	4	30	70	100	6hrs.	
B23-PAS-935		Kathak Stage Performance	4	4	30	70	100	6hrs.	
CC-PGM1 4 credit	From the available courses as per NEP Ordinance								

*The Course Codes according to different specializations are given below
Sem IX - Vocal -901 to905 ,Sitar- 911-915 ,Tabla – 921-925 ,Kathak -931-935

(Fifth Year:Semester-10)for those who have done Dissertationat8thsemester								
Course	Paper(s)	Nomenclature ofPaper	Credits	Hours/ Week	Internal marks	ExternalM arks	Total Marks	Exam Duration
CC-PG4 4 credit	B23-PAS-1001	Research Methodology	3+1	4	30	70	100	3hrs.
CC-PG5 4 credit Select one option	B23-PAS-1002	Interdisciplinary Aspects of Indian Music	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-1012	New concepts in musical instruments	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-1022	Ancient and Medieval History ofHindustani Percussion Instruments	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
B23-PAS-1032	Study of Folk Dances Of Different Zone of India	2	2	15	35	50	3hrs.	
	Practical	2	4	15	35	50	6hrs.	
CC-PG6 4 credit Select one option	B23-PAS-803	Aesthetical Study of Indian Music	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-813	Different schools of Indian musical instruments	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-823	Various non-percussion instruments	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
B23-PAS-833	Principal and Techniques of Stage Performance	2	2	15	35	50	3hrs.	
	Practical	2	4	15	35	50	6hrs.	
DSE-PG2 4 credit Select one Option	B23-PAS-804	Digital Era Recording Techniques and Application of Music	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-814	Sitar in different forms of classical, semi classical and light music	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
B23-PAS-824	Functioning of music production	2	2	15	35	50	3hrs.	

		Practical	2	4	15	35	50	6hrs.
	B23-PAS-834	General Introduction of Vocal in Kathak Dance	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
PC-PG2 4 credit Select one Option	B23-PAS-805	Vocal Stage Performance	4	4	30	70	100	6hrs.
	B23-PAS-815	Sitar Stage Performance	4	4	30	70	100	6hrs.
	B23-PAS-825	Tabla Stage Performance	4	4	30	70	100	6hrs.
	B23-PAS-835	Kathak Stage Performance	4	4	30	70	100	6hrs.
CC- PGM2 4 credit	From the available courses as per NEP Ordinance							

*The Course Codes according to different specializations are given below

Sem X – Course 1001 is Compulsory for all students , Vocal -1002,803,804,805 ,Sitar- 1012-813,814,815 ,Tabla – 1022 ,823,824,825, Kathak - 1032,833,834,835,

(Fifth Year: Semester-10) for those who have not done Dissertation at 8th semester								
Course	Paper(s)	Nomenclature of Paper	Credits	Hours/ Week	Internal marks	External Marks	Total Marks	Exam Duration
CC-PG4	B23-PAS-1001	Research Methodology	3+1	4	30	70	100	3hrs.

CC-PG5 4 credit Select one option	B23-PAS-1002	Interdisciplinary Aspects of Indian Music	2	4	15	35	50	6hrs.
		Practical	2	2	15	35	50	3hrs.
	B23-PAS-1012	New concepts in musical instruments						
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-1022	Ancient and Medieval History of Hindustani Percussion Instruments	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
	B23-PAS-1032	Study of Folk Dances Of Different Zone of India	2	2	15	35	50	3hrs.
		Practical	2	4	15	35	50	6hrs.
Project/ Dissertation1 2 credit	B23-PAS-1006	Project/Dissertation	8+4	-	-	-	-	
Project/Dissertation12 credit	B23-PAS-1016	Project/Dissertation	8+4	-	-	-	-	
Project/Dissertation 12 credit	B23-PAS-1026	Project/Dissertation	8+4	-	-	-	-	
Project/Dissertation 12 credit	B23-PAS-1036	Project/Dissertation	8+4	-	-	-	-	
CC-PGM2 4 credit	From the available course as per NEP Ordinance							

*The Course Codes according to different specializations are given below

Sem X – Course 1001 is Compulsory for all students , Vocal -1002 to1006 ,Sitar- 1012-1016 ,Tabla – 1022-1026 ,Kathak -1032-1036

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Performing Arts
(5 Year Integrated Programme)
Under NEP-2020 W.E.F.2023-24

Session:2025-26			
Part A-Introduction			
Subject	Music		
Semester	VII		
Name of the Course	General history and introduction to recording studio		
Course Code	B23-PAS-706		
Course Type: (CC/ MCC/ MDC/ CC-M/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-HM1		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able to:</p> <p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Elaborate about history of sound and recording 2. Demonstrate about basic equipments of recording studio 3. Demonstrate about basic beats in recording software 4. Demonstrate Methods of Recording Percussion/Non Percussion Instrument of Haryana and Punjab 5. Record outline of one of the folk songs(Haryanvi/Punjabi) 		
Credits:4	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6

Max.Marks:100(50+50) Internal Assessment Marks:30(15+15*) End Term Exam Marks:70 (35+35*)	Time:3HoursTheory and 6 Hours (Practical)
--	---

Part B-Contents of the Course

Instructions for Paper-Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no.nine (Unit-V) will be and compulsory and covers the whole syllabus, it contains 7 objective type questions of one marks each.

Unit	Topics	Contact Hours
I	(a) Origin and development of recording system. (b) Introduction to Hardware and software	8
II	(a) Input and output devices (b) Types of Microphones	8
III	(a) Methods of recording various percussion instruments of folk Music of Haryana Pradesh and its Frequencies (b) Methods of recording various non percussion instruments of folk Music of Haryana Pradesh and its Frequencies	7
IV	(a) Methods of recording various percussion instruments of folk Music of Punjab and its Frequencies (b) Methods of recording various non percussion instruments of folk Music of Punjab and its Frequencies	7

V*	Practical <ol style="list-style-type: none"><li>1. Submission of project report on recording one folk music of Haryana and punjab<li>2. How to setup tempo and Time signature, Metronome and Beat calculator<li>3. How to arrange the different loops in 3/4.,4/4 and 7/4	60
----	---	----

Suggested Evaluation Methods	
<p>InternalAssessment:30 (15+15*)</p> <p>➤ Theory15</p> <ul style="list-style-type: none"> • ClassParticipation:4 • Seminar/presentation/assignment/quiz/class test etc.:4 • Mid-Term Exam: 7 <p>➤ Practicum:15</p> <ul style="list-style-type: none"> • ClassParticipation:5 • Seminar/Demonstration/Viva-voce/Labrecordsetc.:10 • Mid-Term Exam: 	<p>End Term Examination: 70 (35+35*)</p>
Part C-Learning Resources	
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. Dr. Lal mani Mishra- Bhartiya Sangeet Vaady 2. David Miles Huber , Robert Runstein , Modern Recording Techniques (Audio Engineering Society Presents) 3. Naad, Pro Audio 101 (Hindi Edition) / प्रो ऑडियो 101: घर पर बैठे म्यूजिक प्रोडक्शन सीखने के लिए सम्पूर्ण गाइड 4. Video tutorial online source : https://www.steinberg.net/cubase/learn/ 5. https://www.strumentimusicali.net/manuali/2018/01/12/c8/steinberg-cubasepro95-en.pdf 	

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Performing Arts
(5 Year Integrated Programme)
Under NEP-2020 W.E.F.2023-24

Session:2025-26			
Part A-Introduction			
Subject	Music		
Semester	VIII		
Name of the Course	Various recording software and its functions		
Course Code	B23-PAS-807		
Course Type: (CC/ MCC/ MDC/ CC-M/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-HM2		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able to:</p> <p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understanding the role of RAM and ROM 2. Demonstrate the shortcut keys of recording S/W 3. Demonstrate about various tools of software 4. Demonstrate Methods of Recording Percussion/Non Percussion Instrument of Himachal and rajasthan 5. Record folk music Himachal or Rajasthan 		
Credits:4	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6

Max.Marks:100(50+50) InternalAssessmentMarks:30(15+15*) End Term Exam Marks:70 (35+35*)	Time:3HoursTheory and 6 Hours (Practical)
--	---

Part B-Contents of the Course

Instructions for Paper-Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no.nine (Unit-V) will be and compulsory and covers the whole syllabus, it contains 7 objective type questions of one marks each.

Unit	Topics	Contact Hours
I	(a) Meaning of DAW and Various softwares (b) Steps of recording	8
II	(a) Role of RAM and ROM in recording (b) Shortcut Keys for functions	8
III	(c) Methods of recording various percussion instruments of folk Music of Himachal Pradesh and its Frequencies (d) Methods of recording various non percussion instruments of folk Music of Himachal Pradesh and its Frequencies	7
IV	(c) Methods of recording various percussion instruments of folk Music of Rajasthan and its Frequencies (d) Methods of recording various non percussion instruments of folk Music of Rajasthan and its Frequencies	7

V*	Practical <ol style="list-style-type: none">1. Submission of project report on recording one folk music of Himachal and Rajasthan2. Importing, Chopping and pasting audio3. How to use Bar, Beat, Quantize options	60
----	---	----

Suggested Evaluation Methods

Internal Assessment: 30 (15+15*)

> Theory 15

- Class Participation: 4
- Seminar/presentation/assignment/quiz/class test etc.: 4
- Mid-Term Exam: 7

> Practicum: 15

- Class Participation: 5
- Seminar/Demonstration/Viva-voce/Lab record setc.: 10
- Mid-Term Exam:

End Term Examination:
70 (35+35*)

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. Dr. Lal mani Mishra- Bhartiya Sangeet Vaady
2. [David Miles Huber](#) , [Robert Runstein](#) , Modern Recording Techniques (Audio Engineering Society Presents)
3. Naad, Pro Audio 101 (Hindi Edition) / प्रो ऑडियो 101: घर पर बैठे म्यूजिक प्रोडक्शन सीखने के लिए सम्पूर्ण गाइड
4. Video Tutorial online source : <https://www.steinberg.net/cubase/learn/>
5. <https://www.strumentimusicali.net/manuali/2018/01/12/c8/steinberg-cubasepro95-en.pdf>

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Performing Arts
(5 Year Integrated Programme)
Under NEP-2020 W.E.F.2023-24

Session:2025-26			
Part A-Introduction			
Subject	Music		
Semester	IX		
Name of the Course	Audio Interface and Virtual Instruments		
Course Code	B23-PAS-906		
Course Type: (CC/ MCC/ MDC/ CC-M/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-PGM1		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able to:</p> <p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the role of audio interface 2. Demonstrate the virtual instruments 3. Demonstrate the piano role quantization 4. Make the unplugged bollywood song 		
Credits:4	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6

Max.Marks:100(50+50) InternalAssessmentMarks:30(15+15*) End Term Exam Marks:70 (35+35*)	Time:3HoursTheory and 6 Hours (Practical)
--	---

Part B-Contents of the Course

Instructions for Paper-Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no.nine (Unit-V) will be and compulsory and covers the whole syllabus, it contains 7 objective type questions of one marks each.

Unit	Topics	Contact Hours
I	(a) Role of Audio Interface in recording (b) PHANTOM POWER, PAD and TRS	8
II	(a) Setting up input and output channels (b) MIDI installation and its use to virtual instruments	8
III	(a) Usage of Virtual Synth -Halion sonic (b) Usage of Virtual Drum- Groove Agent	7
IV	(a) settings to make Unplugged bollywood songs (b) Usage of Guitar , Piano, padding,Clave	7
V*	Practical <ol style="list-style-type: none"> 1. Submission of project report on recording one unplugged song from bollywood 2. Piano role quantize, Transposing 3. Virtual Instruments :Volume control, Inbuilt Panning, Inbuilt EQ, Inbuilt reverb, Inbuilt delay 4. Audio Interface volume control while recording-decibels 	60

Suggested Evaluation Methods

Internal Assessment: 30 (15+15*)

➤ Theory 15

- Class Participation: 4
- Seminar/presentation/assignment/quiz/class test etc.: 4
- Mid-Term Exam: 7

➤ Practicum: 15

- Class Participation: 5
- Seminar/Demonstration/Viva-voce/Lab record setc.: 10
- Mid-Term Exam:

**End Term Examination:
70 (35+35*)**

Part C-Learning Resources

Recommended Books/e-resources/LMS:

1. [David Miles Huber](#) , [Robert Runstein](#) , Modern Recording Techniques (Audio Engineering Society Presents)
2. Naad, Pro Audio 101 (Hindi Edition) / प्रो ऑडियो 101: घर पर बैठे म्यूजिक प्रोडक्शन सीखने के लिए सम्पूर्ण गाइड
3. Video Tutorial online source : <https://www.steinberg.net/cubase/learn/>
4. <https://www.strumentimusicali.net/manuali/2018/01/12/c8/steinberg-cubasepro95-en.pdf>

KURUKSHERTRA UNIVERSITY KURUKSHETRA
Syllabus and Course of Reading for Master of Performing Arts
(5 Year Integrated Programme)
Under NEP-2020 W.E.F.2023-24

Session:2025-26			
Part A-Introduction			
Subject	Music		
Semester	X		
Name of the Course	Techniques of mixing and mastering		
Course Code	B23-PAS-1007		
Course Type: (CC/ MCC/ MDC/ CC-M/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-PGM2		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able to:</p> <p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the tools of DAW 2. Demonstrate volume balancing in mix 3. Demonstrate audio mix down and export 4. Record one sufi or western song 		
Credits:4	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6

Max.Marks:100(50+50) InternalAssessmentMarks:30(15+15*) End Term Exam Marks:70 (35+35*)	Time:3HoursTheory and 6 Hours (Practical)
--	---

Part B-Contents of the Course

Instructions for Paper-Setter

1. There shall be Nine Questions in all.
2. The Question paper will be divided into five units.
3. Paper Setter has to set 2 questions from each unit of syllabus given below, a total of 8 questions from all 4 units.
4. The Question no.nine (Unit-V) will be and compulsory and covers the whole syllabus, it contains 7 objective type questions of one marks each.

Unit	Topics	Contact Hours
I	(a) Tool bar and Its various functions (b) Delay, Distortion, Dynamic, EQ	8
II	(a) Pitch shift , reverb, tools (b) Compression tools	8
III	(a) Usage of faders in mixer (b) Balancing the track sounds in mix	7
IV	(a) Meter levels, Headrooms (b) Audio mix down and export the file	7
V*	Practical <ol style="list-style-type: none"> 1. Submission of project report on recording one sufi/ western song 2. Use of delay and reverb tools, EQ levels 3. Use of compressors and limiters 4. Demo of metering and mix down 5. Exporting the project and saving the file. 	60

Suggested Evaluation Methods	
<p>Internal Assessment: 30 (15+15*)</p> <p>➤ Theory 15</p> <ul style="list-style-type: none"> • Class Participation: 4 • Seminar/presentation/assignment/quiz/class test etc.: 4 • Mid-Term Exam: 7 <p>➤ Practicum: 15</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab record etc.: 10 • Mid-Term Exam: 	<p>End Term Examination: 70 (35+35*)</p>
Part C-Learning Resources	
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. David Miles Huber , Robert Runstein , Modern Recording Techniques (Audio Engineering Society Presents) 2. Naad, Pro Audio 101 (Hindi Edition) / प्रो ऑडियो 101: घर पर बैठे म्यूजिक प्रोडक्शन सीखने के लिए सम्पूर्ण गाइड 3. Video Tutorial online source : https://www.steinberg.net/cubase/learn/ 4. https://www.strumentimusicali.net/manuali/2018/01/12/c8/steinberg-cubasepro95-en.pdf 	

Kurukshetra University, Kurukshetra
(Established by the State Legislature Act-XII of 1956)
("A++" Grade, NAAC Accredited)



**Revised Scheme of Examination (inclusion of CC-HM-1 & CC-HM2 in the 7th & 8th Semesters) and Syllabus for UG
Multidisciplinary Degree Programme
Subject: Philosophy
As per National Education Policy (NEP)-2020
w.e.f. 2025-26
Scheme of Examination
Semester Ist to VIIIth**

With effect from the session 2025-26 (in phased manner)

**DEPARTMENT OF PHILOSOPHY
KURUKSHETRA UNIVERSITY, KURUKSHETRA-136119**

**Revised Scheme of Examination (inclusion of CC-HM-1 & CC-HM2 in the 7th & 8th Semesters) and Syllabus for UG
Multidisciplinary Degree Programme
Subject: Philosophy
As per National Education Policy (NEP)-2020
w.e.f. 2025-26
Scheme of Examination
Semester Ist to VIIIth**

Semester	Course	Paper	Nomenclature of Paper	Contact Hours		Credits		Internal Marks	External Marks	Total	Time
				Theory teaching hours	Tutorial/ Practical	Theory	T/P				
	MCC-2	B23-PHI-102	Contemporary Indian Philosophy	3	1	3	1	30	70	100	3
	CC-M1	B23-PHI-103	Fundamentals of Indian Philosophy	2	0	2	0	15	35	50	3
	MDC-1	B23-PHI-104	Philosophical Concepts-I	2	2	2	1	20=(15(T) +5(P))	55=(35 (T) +20(P))	75	3

II	CC-2/ MCC-3	B23-PHI-201	Introduction to Western Philosophy	3	1	3	1	30	70	100	3
	CC-M2	B23-PHI-202	Fundamentals of Western Philosophy	2	0	2	0	15	35	50	3
	DSEC-1	B23-PHI-203	Logical Reasoning	3	1	3	1	30	70	100	3
	MDC-2	B23-PHI-204	Philosophical Concepts-II	2	2	2	1	20=(15(T) +5(P))	55=(35 (T) +20(P))	75	3
Internship of 4 credits of 4-6 weeks duration after 2nd semester											
III	CC-3/ MCC-4	B23-PHI-301	Introduction to Ethics	3	1	3	1	30	70	100	3
	MCC-5	B23-PHI-302	Social Philosophy	3	1	3	1	30	70	100	3
	MDC-3	B23-PHI-303	Philosophical Concept-III	2	2	2	1	20=(15(T) +5(P))	55=(35 (T) +20(P))	75	3
IV	CC-4/ MCC-6	B23-PHI-401	History of Ethics	3	1	3	1	30	70	100	3
	MCC-7	B23-PHI-402	Contemporary Western Philosophy	3	1	3	1	30	70	100	3
	MCC-8	B23-PHI-403	Political Philosophy	3	1	3	1	30	70	100	3
	DSE-1 (Choose any one)	B23-PHI-404	Philosophy of Mind	3	1	3	1	30	70	100	3
		B23-PHI-405	Phenomenology and Existentialism	3	1	3	1	30	70	100	3

Internship of 4 credits of 4-6 weeks duration after 4th semester

V	CC-5/ MCC -9	B23-PHI-501	Principles of Reasoning- I	3	1	3	1	30	70	100	3
	MCC -10	B23-PHI-502	Bahiranga Yoga	3	1	3	1	30	70	100	3
	DSE – 2 (Choose any one)	B23-PHI-503	Philosophy of Religion-I	3	1	3	1	30	70	100	3
		B23-PHI-504	Philosophical Counseling- I	3	1	3	1	30	70	100	3
	DSE – 3 (Choose any one)	B23-PHI-505	Buddhism	3	1	3	1	30	70	100	3
		B23-PHI-506	Sikhism	3	1	3	1	30	70	100	3
VI	CC-6/ MCC -11	B23-PHI-601	Principles of Reasoning- II	3	1	3	1	30	70	100	3
	MCC-12	B23-PHI-602	Antaranga Yoga	3	1	3	1	30	70	100	3
	DSE-4 (Choose any one)	B23-PHI-603	Philosophy of Religion-II	3	1	3	1	30	70	100	3
		B23-PHI-604	Philosophical Counseling- II	3	1	3	1	30	70	100	3

	DSE-5 (Choose any one)	B23-PHI-605	Hinduism	3	1	3	1	30	70	100	3
		B23-PHI-606	Jainism	3	1	3	1	30	70	100	3
VII	CC-H1	B23-PHI-701	Bhagvadgita- I	3	1	3	1	30	70	100	3
	CC-H2	B23-PHI-702	Research Methodology-I	3	1	3	1	30	70	100	3
	CC-H3	B23-PHI-703	Philosophy of Vivekananda	3	1	3	1	30	70	100	3
	DSE-6 (Choose any one)	B23-PHI-704	Nyaya Philosophy	3	1	3	1	30	70	100	3
		B23-PHI-705	Mimansa Philosophy	3	1	3	1	30	70	100	3
	PC-H1	B23-PHI-706	Hathyoga-I	3	1	3	1	30	70	100	3
	CC-HM-1(4Credits)		<i>From the available course as per ordinance</i>								
VIII	CC-H4	B23-PHI-801	Bhagvadgita- II	3	1	3	1	30	70	100	3
	CC-H5	B23-PHI-802	Research Methodology-II	3	1	3	1	30	70	100	3
	CC-H6	B23-PHI-803	Philosophy of Gandhi	3	1	3	1	30	70	100	3

	DSE-7 (Choose any one)	B23-PHI-804	Vaisheshik Philosophy	3	1	3	1	30	70	100	3
		B23-PHI-805	Vedanta Philosophy	3	1	3	1	30	70	100	3
	PC-H2	B23-PHI-806	Hathyoga-II	3	1	3	1	30	70	100	1
	CC-HM-2(4 Credits)		<i>From the available course as per ordinance</i>								

OR

	CC-H4	B23-PHI-801	Bhagvadgita- II	3	1	3	1	30	70	100	3
	CC-H5	B23-PHI-802	Research Methodology-II	3	1	3	1	30	70	100	3
		B23-PHI-807	Dissertation/Project	12					300	300	

Programme Outcomes (PO) of Bachelor of Arts (General)
CBCS Programmes/Courses in the Institute of Integrated and Honours Studies,
Kurukshetra University, Kurukshetra

- PO 1: Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;
- PO 2: Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.
- PO 3: Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;
- PO 4: Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;
- PO 5: Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;
- PO 6: Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;
- PO 7: Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;
- PO 8: Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

PSO (Program Specific Outcome) for UG Program, Course: Philosophy

1. Enhancement of Ancient Indian Wisdom.
2. Development of the ability of critical, analytical & logical reasoning of the students.
3. Inculcation of ethical, cultural and social values for a better society.
4. Uplifting of the physical, mental and spiritual aspects of the students through Yoga and Meditation.

CC-H1	
Session:2025-26	
Part A–Introduction	
Subject	Philosophy
Semester	VII
Name of the Course	Bhagavadgita-I
Course Code	B23-PHI-701
Course Type:(CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H1
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course(if any)	N.A

Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able to:</p> <p>701.1 understand about the basics of Bhagavad-Gita.</p> <p>701.2 understand the spiritual background of Bhagavad-Gita.</p> <p>701.3 answer questions regarding different ethical teachings of the Gita.</p> <p>701.4 understand the different Yogic teaching of Bhagavad-Gita.</p>
--------------------------------	---

	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Max. Marks:-100		Time:-3hrs.	
Internal Assessment Marks:-30 End Term Exam Marks:-70			
Part B-Contents of the Course			
<p><u>Instructions for Paper- Setter-</u> The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (7x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.</p>			
	Topics		Contact Hours
I	Bhagavad-Gita: Meaning, Origin, History and Context; Contemporary Relevance of Bhagavad-Gita.		12

II	Spiritual Background of Bhagavad-Gita: Parmatman; Atman; Prakrti; Concept of Kshetra and Kshetraja.	11
III	Ethical Teachings of Bhagavad-Gita: Yajna Vichar-Sattvika,Rajasika and Tamasika; Karma, Vikarama and Akarma; Concept of Nishkama Karma; Concept of Jyanayoga, Karmayoga and Bhaktiyoga;	11

IV	Yogic Teachings of Bhagavad-Gita: Samatva Yoga Uchyate; Yogstha Kuru, Karmani; Yogah Karmasu Kausalam; Sthitprajna.	11
	<i>Tutorial</i>	15
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/classstestetc.: 5+5 • Mid-Term Exam: 15 ➤ Practicum <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: Shri Aurobindo - <i>Essays on Gita.</i> B.G. Tilak - <i>Srimadbhagvadgita Bhashya</i> Osho Rajneesh - <i>Gita Darshana</i> R.S. Garg - <i>Gita for Success in Modern Life</i> Vinoba Bhave - <i>Gita Pravachan</i>		

CC-H2**Session: 2025-26****Part A–Introduction**

Session: 2025-26	
Part A–Introduction	
Subject	Philosophy
Semester	VII
Name of the Course	Research Methodology- I
Course Code	B23-PHI-702
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H2
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course(if any)	N.A

Course Learning Outcomes(CLO):		After completing this course, the learner will be able to know/understand: 702.1. The nature of Philosophical Research 702.2. The role of Ethics in doing Research. 702.3. The details of publication Ethics. 702.4. The various online sources to do research..	
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Max. Marks:-100 Theory :70 Internal Assessment Marks:-30		Time:-3hrs.	
Part B- Contents of the Course			
<u>Instructions for Paper-Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (7x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	What is Research? Types of Research; Philosophy as a subject of research; Distinction between philosophical and scientific research;		12

II	Ethics with respect to Science and Research Intellectual honesty and Research integrity Scientific misconduct: falsification, fabrication and plagiarism (FFP) Redundant Publication: Duplicate and Overlapping publications, salami slicing Selective Reporting and Misrepresentation of Data	11
III	Publication Ethics: Definition, Introduction and Importance Best Practices/ Standards setting initiatives and guidelines COPE, WAME, etc. Conflicts of Interest Publication misconduct: Definition, Concept, Problems that lead to unethical behavior and Vice versa, type Violation of Publication Ethics, Authorship and Contributorship Identification of Publication Misconduct, Complaints and Appeals Predatory Publishers and Journals	11
IV	Open access publications and Initiatives SHERPA/ROMEIO online resource to check publisher copyright and self archiving policies Software tool to Identify Predatory publications developed by SPPU Journal finder/journal suggestion tools vi2, JANE, Elsevier Journal finder, Springer Journal suggested, etc.	11
	<i>Tutorial</i>	15
Suggested Evaluation Methods		
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/classstetetc.: 5+5 • Mid-Term Exam: 15 •		End Term Examination: 70

Part C-Learning Resources

1. *Business Research Methods* – Donald Cooper & Pamela Schindler, TMGH, 9th edition
2. *Business Research Methods* – Alan Bryman & Emma Bell, Oxford University Press.
3. *Research Methodology* – C.R. Kothari

CC-H3**Session: 2025-26****Part A–Introduction**

Subject	Philosophy
Semester	VII
Name of the Course	Philosophy of Vivekananda
Course Code	B23-PHI-703
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H3
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	N.A
Course Learning Outcomes(CLO):	After completing this course, the learner will be able to: 703.1. Understand the socio-cultural context of Vivekananda's thoughts 703.2. Analyze Vivekananda's reinterpretation of Vedanta for modern life 703.3. Comprehend Vivekananda's ideal of holistic education and self-empowerment 703.4. Explore how Vivekananda shaped modern India

	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Max.Marks:-100 Internal Assessment Marks:-30 End TermExamMarks:-70		Time:-3hrs	
Part B-Contents of the Course			
<u>Instructions for Paper-Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (7x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	Life and teachings of Swami Vivekananda Influences: Ramakrishna Paramahansa, Upanishads, Vedanta, Western philosophy Key philosophical foundations: Advaita Vedanta, practical Vedanta Concept of the divine and human potential		12
II	Interpretation of Advaita Vedanta and the idea of universal religion Unity of existence and oneness of the soul Religious tolerance and acceptance God-realization through service and self-discipline		11
III	"Man-making" philosophy and human development Education as a tool for self-realization Service to humanity as worship (Shiva Jnane Jiva Seva) Views on caste, women, youth, and social upliftment		11

IV	Swami Vivekananda's role in Indian nationalism Spiritual nationalism and cultural pride East-West synthesis and global vision Relevance of Vivekananda's philosophy in the 21st century	11
	<i>Tutorial</i>	15
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/classstestetc.:5+5 • Mid-TermExam:15 ➤ Practicum <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		End Term Examination 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> • <i>The Life of Swami Vivekananda</i> – Eastern and Western Disciples (selected chapters) • <i>My Master</i> – Swami Vivekananda • <i>Jnana Yoga</i> – Swami Vivekananda (selected lectures) • <i>The Complete Works of Swami Vivekananda</i> – Vol. 2: Lectures on Religion • <i>Karma Yoga</i> – Swami Vivekananda (selected lectures) • Swami Ranganathananda – <i>The Message of Vivekananda</i> 		

DSE-6**Session: 2025-26****Part A–Introduction**

Subject	Philosophy
Semester	VII
Name of the Course	Nyāya Philosophy
Course Code	B23-PHI-704
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-6
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course(if any)	N.A
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: 704.1.Understand the historical context and goals of Nyāya 704.2.Identify key Nyāya thinkers and texts 704.3. Analyze Nyāya’s rigorous epistemological framework 704.4.Compare its theory of knowledge with other Indian systems

	Theory	Practical	Total
Credits	03	01	04
Contact Hours	03	01	04
Max. Marks:-100		Time:-3hrs.	
Theory :			
Internal Assessment Marks:-30			
End Term Exam Marks:-70			
Part B-Contents of the Course			
<u>Instructions for Paper-Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (7x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics	Contact Hours	
I	Origins and development of Nyāya Akṣapāda Gautama and the <i>Nyāya Sūtras</i> Relation with Vaisheshika Purpose of Nyāya: removal of suffering through true knowledge	12	
II	Four valid means of knowledge (<i>Pramāṇas</i>): Pratyakṣa (perception) Anumāna (inference) Upamāna (comparison) Śabda (testimony) Criteria for valid knowledge (<i>Pramā</i>) vs. error	11	

III	Structure of inference: <i>Hetu, Pakṣa, Sādhya</i> The five-member syllogism (<i>Pañcāvayava</i>) Fallacies (<i>Hetvābhāsa</i>) and debate techniques	11
IV	Categories of reality: Self, body, mind, senses, objects Theory of self (<i>Ātman</i>) and soul's liberation Karma, rebirth, and the role of God (<i>Īśvara</i>) Goal of Nyāya: attaining <i>mokṣa</i> through right knowledge	11
	<i>Tutorial</i>	15
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 5+5 • Mid-Term Exam: 15 ➤ Practicum <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		End Term Examination: 70

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- C.D. Sharma : *A Critical Survey of Indian Philosophy* (Hindi version also available).
D.M. Datta & S.C. Chatterjee : *Introduction to Indian Philosophy*.(Hindi version also available).
H.P. Sinha : *Bhartiya Darshan ke Rooprekha*.
Jadunath Sinha : *Bhartiya Darshan* (English version also available).
S.N.Dasgupta : *A History of Indian Philosophy*, Vols.ItoV(Hindi version also available)
S.Radhakrishnan : *Indian Philosophy*, Vols.I to II (Hindi version also available)
Daya Krishna : *Paschatya Darshanka Itihas, BhagI&II*.
I.M.Copi : *Introduction to Logic* (Sixth edition)

DSE-6

Session:2025-26	
Part A–Introduction	
Subject	Philosophy
Semester	VII
Name of the Course	Mimansa Philosophy
Course Code	B23-PHI-705
Course Type:(CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-6
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course(if any)	N.A
Course Learning Outcomes(CLO):	After completing this course, the learner will be able to: 705.1 Understand the historical development of the Mīmāṃsā school 705.2 Analyze Mīmāṃsā's theory of knowledge and language 705.3 Understand Mīmāṃsā's unique conception of dharma and ritual 705.4 Compare and contrast Bhāṭṭa and Prābhākara views.

	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Max. Marks:-100		Time:-3hrs.	
Internal Assessment Marks:-30 End Term Exam Marks:-70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter-</u> The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (7x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
	Topics		Contact Hours
I	Origins and development of Mīmāṃsā Key figures: Jaimini (Pūrva Mīmāṃsā), Śabara, Kumārila Bhaṭṭa, Prabhākara Division into Pūrva Mīmāṃsā and Uttara Mīmāṃsā (Vedānta)		12
II	Pramāṇa (means of knowledge) in Mīmāṃsā: especially Śabda (verbal testimony) Validity and eternality of the Vedas Theory of intrinsic validity (Svataḥ-prāmāṇya) Principles of textual interpretation: ākāṅkṣā (expectancy), yogyatā (fitness), sannidhi (proximity), tātparya (intended meaning)		11
III	Concept of Dharma as central to Mīmāṃsā Vedic ritualism and duty: <i>niyoga</i> (injunctions) Karma theory and ritual efficacy (<i>Apūrva</i>) Rejection of a creator God (non-theism)		11

IV	Two major sub-schools: Bhāṭṭa School (Kumārila Bhāṭṭa) Prābhākara School (Prabhākara Mīśra) Differences in epistemology, interpretation, and ethics Relevance and legacy of Mīmāṃsā in Indian jurisprudence and ritual studies	11
	<i>Tutorial</i>	15
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/classstestetc.: 5+5 • Mid-Term Exam: 15 ➤ Practicum <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: Jaimini – <i>Mīmāṃsā Sūtras</i> (selected aphorisms) S. Radhakrishnan – <i>Indian Philosophy</i> , Vol. 2 (Chapters on Mīmāṃsā) J.N. Mohanty – <i>Classical Indian Philosophy</i> (sections on Mīmāṃsā epistemology) Kumārila Bhāṭṭa – <i>Tantravārttika</i> (selected excerpts) Nand Kishor Devraja - <i>Bhartiya Darshan</i> . Jadunath Sinha - <i>Bhartiya Darshan</i> (English version also available). S.N.Dasgupta - <i>A History of Indian Philosophy</i> , Vols. I to V(Hindi version also available). S.Radhakrishnan - <i>Indian Philosophy</i> , Vols. I to II (Hindi version also available)		

PC-H1**Session:2025-26****Part A–Introduction**

Subject	Philosophy
Semester	VII
Name of the Course	Hathyoga-I
Course Code	B23-PHI-706
Course Type:(CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	PC-H1
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course(if any)	N.A
Course LearningOutcomes(CLO):	After completing this course, the learner will be able to: 706.1. Learn the basics of Hathayoga. 706.2. Learn different Asanas. 706.3. Learn different Kriyas. 706.4. Learn different Dhyana Methods.

	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Max. Marks:-100 Internal Assessment Marks:-30 End Term Exam Marks:-70		Time:-3hrs.	
Part B-Contents of the Course			
.			
Unit	Topics		Contact Hours
I	Hathyoga: Meaning ,Definition, Aims and Objectives ; Discipline and Precautions for Practice of Hathyoga; Hathyoga literature; Relevance of Hathyoga in daily life.		30
II	Do's and Don'ts in Hathyoga; Yama and Niyama in Hathyoga; Concepts of Asanas in <i>Hathyoga Pradipika</i> and <i>Gherand Samhita</i> ; Meaning , Definition, Objectives and Classification of Pranayama in <i>Hathyoga Pradipika</i> and <i>Gherand Samhita</i>		30
III	Shodhan Kriyas in Hathyoga and their techniques ,benefits and precautions; Classification of Bandha in Hathyoga; Concept of Mudras; Concept of Chakras in <i>Shadchakranirupanam</i>		30
IV	Concept of Dharna in <i>Vijyanbhairav</i> ; Concept of Pratyahara,Dhyana and Samadhi in Hathyoga; Concept of Kundalini in Hathyoga.		30

Suggested Evaluation Methods	
<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-TermExam:15 <p>➤ Practicum</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: <p>Mid-Term Exam:</p> <ul style="list-style-type: none"> • 	<p>End Term Examination:</p> <p>70</p>
Part C-Learning Resources	
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. <i>Yog Darshna</i> (Vol. 1-4),Osho 2. <i>Yog Pradeep</i>, Swami Omananda Thirtha 3. <i>Yog darshana</i>, Swami Adgadananda 4. <i>Yogsutra Vidyodyabhasya</i>, Acharya Udayavir 5. <i>Yog Sadhna</i>, Shri Anandmurti 6. <i>Yog Darshanam</i>, Hariharananda Arnaya 7. <i>Sanatna Bhartiya Yog Sadhana Evam Uski Vividh Dhyan Vidhiyan</i>, Acharya Shilak Ram 8. <i>Goraksha Padhti</i>, Gorkshanath 9. <i>Atma Vijyan</i>, Swami Yogeshwarananda 10. <i>Visheshank</i>, Gita Press,Gorakhpur 11. <i>Yog: Samnya Prichaya</i>, Acharya Shilak Ram 12. <i>Gherand Samhinta</i>, Maharashi Gherand 13. <i>Tantra Sutra</i> (vol.1-6), Osho. 14. <i>Vedon Mein Yogvidhya</i>, Swami Divyananda 15. <i>Yoga Psychology</i>, Shri Anandamurti 	

CC-H4 Session:2025-26	
Part A–Introduction	
Subject	Philosophy
Semester	VIII
Name of the Course	Bhagavadgita-II
Course Code	B23-PHI-801
Course Type:(CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H4
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course(if any)	N.A
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able to:</p> <p>801.1 understand the basic Background of Bhagavad-Gita.</p> <p>801.2 understand the basic concepts of Sociological Background of Bhagavad-Gita.</p> <p>801.3 understand the basic concepts of Psychological Teachings of Bhagavad-Gita.</p> <p>801.4 understand the basic concepts of Political and Educational Teachings of Bhagavad-Gita.</p> <p>70</p>

	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Max. Marks:-100		Time:-3hrs.	
Internal Assessment Marks:-30 End Term Exam Marks:-70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (7x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
	Topics		Contact Hours
I	Philosophical Background of Bhagavad-Gita: Kshara, Akshara and Purushottam; Concept of Atman; Concept of Trigunatmaka Prakriti; Concept of Mokhsa.		12
II	Sociological Background of Bhagavad-Gita: Concept of Varna; Concept of Karma – Sattvik, Rajasika and Tamasika; Concept of Universal Dharma; Daivi Sampad and Asuri Sampad; Concept of Svadharma.		11
III	Psychological Teachings of Bhagavad-Gita: Contemporary Man, Mental Diseases and Bhagavad-Gita; Yuddha Dharma and Bhagavad-Gita; Atankvada and Bhagavad-Gita; Sri Krishna – The First Psychologist of Known History.		11

IV	Political and Educational Teachings of Bhagavad-Gita: Concept of Rajarshi and Comparison with Plato's Concept of Philosopher King. Necessity of Bhagavad-Gita in Educational Institutions; Concept of Yoga of Bhagavad-Gita for the Benefits of Students, Politicians and Security Forces.	11
	<i>Tutorial</i>	15
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/classstestetc.: 5+5 • Mid-Term Exam: 15 ➤ Practicum <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: Shri Aurobindo - <i>Essays on Gita.</i> B.G. Tilak - <i>Srimadbhagvadgita Bhashya</i> Osho Rajneesh - <i>Gita Darshana</i> R.S. Garg - <i>Gita for Success in Modern Life</i> Vinoba Bhave - <i>Gita Pravachan</i>		

CC-H5**Session:2025-26****Part A–Introduction**

Subject	Philosophy
Semester	VIII
Name of the Course	Research Methodology- II
Course Code	B23-PHI-802
Course Type:(CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H5
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	N.A
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to get: 802.1. The basics of Research. 802.2. To learn about to identify problems in Research. 802.3. To learn about various Research designs. 802.4. To learn about different kind of Researches

	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Max.Marks:-100		Time:-3hrs.	
Internal Assessment Marks:-30 End Term Exam Marks:-70			
Part B-Contents of the Course			
Instructions for Paper- Setter			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (7x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	Foundations of Research: Meaning, Objectives, Motivation, Utility. Concept of theory, empiricism, deductive and inductive theory. Characteristics of scientific method – Understanding the language of research – Concept, Construct, Definition, Variable. Research Process		12
II	Problem Identification & Formulation – Research Question – Investigation Question – Measurement Issues – Hypothesis – Qualities of a good Hypothesis –Null Hypothesis & Alternative Hypothesis. Hypothesis Testing – Logic & Importance		11
III	Research Design: Concept and Importance in Research – Features of a good research design – Exploratory Research Design – concept, types and uses, Descriptive Research Designs – concept, types and uses. Experimental Design: Concept of Independent & Dependent variables.		11

IV	Qualitative and Quantitative Research: Qualitative research – Quantitative research – Concept of measurement, causality, generalization, replication. Merging the two approaches	11
	<i>Tutorial</i>	15

Suggested Evaluation Methods	
Internal Assessment: > Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/classstestetc.:5+5 • Mid-TermExam:15 > Practicum <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 	End Term Examination: 70
Part C-Learning Resources	
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. <i>Business Research Methods</i> – Donald Cooper & Pamela Schindler, TMGH, 9th edition 2. <i>Business Research Methods</i> – Alan Bryman & Emma Bell, Oxford University Press. 3. <i>Research Methodology</i> – C.R.Kothari 	

CC-H6 Session:2025-26			
Part A-Introduction			
Subject	Philosophy		
Semester	VIII		
Name of the Course	Philosophy of Gandhi		
Course Code	B23-PHI-803		
Course Type:(CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H6		
Level of the course (As per Annexure-I	400-499		
Pre-requisite for the course (if any)	N.A		
Course Learning Outcomes (CLO):	<p>After completing this course ,the learner will be able to:</p> <p>803.1 Understand Gandhi’s early life and formative influences 803.2 Analyze Gandhi’s approach to political resistance and governance 803.3 Examine Gandhi’s vision for an equitable and self-reliant economy 803.4 Evaluate Gandhi’s global impact and legacy</p>		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Max. Marks:-100 Internal Assessment Marks:-30 End Term Exam Marks:-70		Time:-3hrs.	

Part B-Contents of the Course

Instructions for Paper-Setter

The paper-setter is requested to set **Nine** questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt **Five** questions in all, selecting one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
I	Biographical sketch of Mohandas Karamchand Gandhi Influences on Gandhi: Hinduism, Jainism, Christianity, Islam, and Western thinkers (e.g., Tolstoy, Ruskin, Thoreau) Concept of Truth (Satya) Concept of Non-violence (Ahimsa)	12
II	Satyagraha: Philosophy and practice Swaraj: Self-rule and inner freedom Sarvodaya: Welfare of all Views on the State, democracy, and decentralization	11
III	Gandhian critique of modern industrialization Trusteeship model of economics Village economy and sustainable living Relevance to environmental ethics and degrowth movements	11
IV	Gandhi's influence on global movements: Civil Rights (Martin Luther King Jr.), anti-apartheid (Nelson Mandela), nonviolent protests Critiques of Gandhian Philosophy (e.g., Ambedkar, Marxists) Relevance in contemporary India and global peace movements Gandhian approaches to conflict resolution and development	11
	<i>Tutorial</i>	15

Suggested Evaluation Methods	
<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-TermExam:15 <p>➤ Practicum</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/ Mid-Term Exam: 	<p>End Term Examination:</p> <p>70</p>
Part C-Learning Resources	
<p>Recommended Books/e-resources/LMS:</p> <p>M.K. Gandhi – <i>Hind Swaraj</i></p> <p>M.K. Gandhi – <i>My Experiments with Truth</i></p> <p>M.K. Gandhi – <i>Gram Swaraj</i></p> <p>BK Lal- <i>Contemporary Indian Philosophy</i> (also available in Hindi)</p> <p>Raghvan Iyer – <i>The Moral and Political Thought of Mahatma Gandhi</i></p> <p>Judith Brown – <i>Gandhi: Prisoner of Hope</i> (selections)</p> <p>B.R. Ambedkar – <i>Annihilation of Caste</i> (selected passages for contrast)</p>	

DSE-7**Session: 2025-26****Part A–Introduction**

Session: 2025-26			
Part A–Introduction			
Subject	Philosophy		
Semester	VIII		
Name of the Course	Vaisheshik Philosophy		
Course Code	B23-PHI-804		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-7		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course(if any)	N.A		
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to :</p> <p>804.1 Understand the origins and historical context of Vaisheshik philosophy</p> <p>804.2. Identify and explain the six fundamental categories of reality in Vaisheshik</p> <p>804.3 Understand Vaisheshik’s pioneering ideas on atomism and cosmology</p> <p>804.4 Analyze Vaisheshik’s theory of knowledge and method of inference</p>		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04

Max.Marks:-100 Internal Assessment Marks:-30 End Term Exam Marks:-70		Time:-3hrs.
Part B-Contents of the Course		
<u>Instructions for Paper-Setter</u>		
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (7x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.		
Unit	Topics	Contact Hours
I	Origin and historical development of Vaisheshik Kanada and the <i>Vaisheshik Sutras</i> Relationship with the Nyāya system (Nyāya–Vaisheshik duality)	12
II	Definition and significance of <i>Padārtha</i> The six categories: 1. Dravya (substance) 2. Guna (quality) 3. Karma (motion) 4. Sāmānya (universal) 5. Viśeṣa (particularity) 6. Samavāya (inherence)	11
III	Atomic theory (<i>Anu-vāda</i>): nature, types, and combination of atoms Creation and dissolution of the universe Concept of Time, Space, Ether, and Mind as eternal substances Doctrine of causation (<i>Arambhavāda</i>)	11

IV	Means of knowledge (<i>Pramāṇa</i>): perception (<i>pratyakṣa</i>) and inference (<i>anumāna</i>) The role of God (optional and later development) Ethics and the path to liberation (<i>mokṣa</i>)	11
	<i>Tutorials</i>	15
Suggested Evaluation Methods		
Internal Assessment: > Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-TermExam:15 > Practicum <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/ Mid-Term Exam: 		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: Kanad : <i>Vaisehshik Shutra</i> M. Hiriyanna : <i>Outlines of Indian Philosophy</i> (Hindi version also available). Nand Kishor Devraja : <i>Bhartiya Darshan</i> . S.N. Dasgupta : <i>A History of Indian Philosophy</i> , Vols.ItoV(Hindi version also available). S. Radhakrishnan : <i>Indian Philosophy</i> , Vols.I toII (Hindi version also available)		

DSE-7			
Session: 2025-26			
Part A–Introduction			
Subject	Philosophy		
Semester	VIII		
Name of the Course	Vedānta Philosophy		
Course Code	B23-PHI-805		
Course Type:(CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-7		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course(if any)	N.A		
Course Learning Out comes (CLO):	After completing this course, the learner will be able to: 805.1. Identify Vedānta’s textual foundations and schools 805.2. Understand the common philosophical concerns across sub-schools 805.3. Understand Advaita’s interpretation of reality and illusion 805.4. Examine Śāṅkara’s approach to mokṣa through knowledge (<i>jñāna</i>)		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04

Max. Marks:-100 Internal Assessment Marks:-30 End Term Exam Marks:-70		Time:-3hrs.
Part B-Contents of the Course		
<u>Instructions for Paper- Setter</u>		
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (7x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.		
Unit	Topics	Contact Hours
I	Etymology and meaning of Vedānta Primary sources: Upaniṣads, Bhagavad Gītā, Brahma Sūtras Early commentators: Śaṅkara, Rāmānuja, Madhva Core Concepts: Brahman, Ātman, Mokṣa	12
II	Non-dualism (Advaita): Brahman as nirguṇa Maya and illusion Self (Ātman) and liberation Jīva-Brahma aikya (identity of the individual self and absolute)	11
III	Rāmānuja's Viśiṣṭādvaita: qualified non-dualism, <i>saguṇa Brahman</i> Madhva's Dvaita: dualism between God and souls Bhakti and grace as paths to liberation Concept of Īśvara and the role of devotion	11
IV	Commonalities and debates among Vedānta schools Influence on Indian spirituality and nationalism (e.g., Vivekananda) Vedānta in modern philosophy, science, and psychology Relevance in global interfaith dialogue and non-dual spirituality	11
	<i>Tutorial</i>	15

Suggested Evaluation Methods	
<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-TermExam:15 <p>➤ Practicum</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 	<p>End Term Examination:</p> <p>70</p>
Part C-Learning Resources	
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> • <i>Brahma Sūtras</i> (selected aphorisms) • Radhakrishnan – <i>Indian Philosophy</i>, Vol. 2 • <i>Vivekachūḍāmaṇi</i> – Śaṅkara (selections) • Eliot Deutsch – <i>Advaita Vedānta: A Philosophical Reconstruction</i> • <i>Śrībhāṣya</i> (selections) – Rāmānuja • B.N.K. Sharma – <i>Philosophy of Śrī Madhvācārya</i> 	

Session: 2025-26

Part A–Introduction			
Subject	Philosophy		
Semester	VIII		
Name of the Course	Hathyoga-II		
Course Code	B23-PHI- 806		
Course Type:(CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	PC-H2		
Level of the course (As per Annexure-I	400-499		
Pre-requisite for the course(if any)	N.A		
Course Learning Out comes(CLO):	After completing this course, the learner will be able to know/understand: 806.1. the basics of Hathayoga and different kriyas 806.2. techniques and benefits of tratak, kapalbhati, and nyoli kriyas etc. 806.3. the nuances of dharnas, dhyanas, and samadhi 806.4. the concepts of kundlini and chakra		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04

Max. Marks:-100 Internal Assessment Marks:30 End Term Exam Marks:-70		Time:-3hrs.
Part B-Contents of the Course		
Unit	Topics	Contact Hours
I	Shodhan Kriyas in Hathyoga; Techniques , Kinds and Benefits of Neti kriya in Hathyoga; Techniques,Kinds and Benefits of Dhoti Kriya; Techniques, Kinds and Benefits of Basti Kriya	30
II	Techniques, Kinds and benefits of Tratak in Hathyoga; Techniques, Kinds and Benefit of Kapalbhata; Techniques, Kinds and Benefits of Nyoli Kriya; Classification of Bandh in Hathyoga	30
III	Dharna in Vijjyanbhairav; Pratyahara , Dhyana and Samadhi in Hathyoga	30
IV	Kundilini in Hathyoga; Chakras in <i>Shadchakranirupanam</i> . Mudras in Hathyoga	30

Suggested Evaluation Methods

<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-TermExam:15 <p>➤ Practicum</p> <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.: • Mid-Term Exam: 	<p>End Term Examination:</p> <p>70</p>
<p>Part C-Learning Resources</p>	
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. <i>Yog Darshna</i> (Vol. 1-4),Osho 2. <i>Yog Pradeep</i>, Swami Omananda Thirtha 3. <i>Yog Darshana</i>, Swami Adgadananda 4. <i>Yogsutra Vidyodyabhasya</i>, Acharya Udayavir 5. <i>Yog Sadhna</i>, Shri Anandmurti 6. <i>Yog Darshanam</i>, Hariharananda Arnaya 7. <i>Sanatna Bhartiya Yog Sadhana Evam Uski Vividh Dhyan Vidhiyan</i>, Acharya Shilak Ram 8. <i>Goraksha Padhti</i>, Gorkshanath 9. <i>Atma Vijyan</i>, Swami Yogeshwarananda 10. <i>Visheshank</i>, Gita Press,Gorakhpur 11. <i>Yog: Samnya Prichaya</i>, Acharya Shilak Ram 12. <i>Gherand Samhinta</i>, Maharashi Gherand 13. <i>Tantra Sutra</i> (vol.1-6), Osho. 14. <i>Vedon Mein Yogvidhya</i>, Swami Divyananda 15. <i>Yoga Psychology</i>, Shri Anandamurti 	

Dissertation /Project Work

Session: 2025-26			
Part A - Introduction			
Subject	Philosophy		
Semester	VIII		
Name of the Course	Dissertation /Project Work		
Course Code	B23-PHI- 807		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)			
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO):			
	Theory	Practical	Total
Credits	12	0	12
Teaching Hours per week			
Internal Assessment Marks			
End Term Exam Marks			
Maximum Marks	300		300
Examination Time			
Part B-Contents of the Course			
Suggested Evaluation Methods:- As per university norms			
Internal Assessment: > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: 			End Term Examination:

Part C-Learning Resources

Department of Philosophy
Kurukshetra University Kurukshetra
Scheme of Examination and Syllabus for
UG Multidisciplinary Degree Programme
Subject: Philosophy
As per National Education Policy (NEP)-2020
w.e.f. 2025-26
Semester- IIIrd & Vth and VIth Semester

Semester	Course	Paper	Nomenclature of Paper	Contact Hours		Credits		Internal Marks	External Marks	Total	Time
				Teaching Theory Hours	Practical	Theory	Practical				
IIIrd & Vth	VOC	B23-VOC-139	Philosophical Counseling	2	4	2	2	30 (15(T)+15 (P))	70 (35 (T) + 35 (P))	100	3 Hrs
VI	VOC	B23-VOC-338	Dhyana Yoga	2	4	2	2	30 (15(T)+15 (P))	70 (35 (T) + 35 (P))	100	3 Hrs

Syllabi of the Courses
VOC

Session: 2025-26			
Part A – Introduction			
Subject	Philosophy		
Semester	IIIrd & V th Semester		
Name of the Course	Philosophical Counseling		
Course Code	B23-VOC-139		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	VOC		
Level of the course (As per Annexure-I)	100-199 (as no pre requisite for the course)		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO):	After completion of the course the student will be able to understand/learn: 139.1 the basic concepts of Philosophical Counseling. 139.2 the nature of philosophical dialogue, authenticity, and freedom. 139.3 the concept of Morality and Immorality & also the concept of Circumference and Transcendence 139.4 the Case Studies Techniques. 139.5 the practical aspects of Conduct Counseling Sessions.		
	Theory	Practical	Total
Credits	2	2	4
Contact Hours	2	4	6
Max. Marks:-100		Time:-3 hrs.	
Internal Assessment Marks:-30 (15(T)+15(P))			
End Term Exam Marks:-70 (35(T)+35(P))			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x1) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to			

attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.		
Unit	Topics	Contact Hours
I	Philosophical Counseling: Meaning, Nature & Goals. Difference from Psychological Counseling. Skills Needed for a Philosophical Counsellor.	7
II	Nature of Philosophical Dialogue. Understanding the Concepts of Authenticity and Freedom. Analysing the issues related to Meaning of Life and Questions Concerning Good & Evil.	8
III	Understanding the Concept of Morality and Immorality Understanding Circumference and Transcendence. From Patterns to Conceptualization.	7
IV	Case Studies: The Connection between Self and Others.	8
V*	Practical: Conducting Counselling Sessions With The Students and By The Students To Explore, Analyse and Solve Their Life Issues	60
Suggested Evaluation Methods		
Internal Assessment: > Theory • Class Participation: 4 • Seminar/presentation/assignment/quiz/class test etc.: 4 • Mid-Term Exam: 7 > Practicum • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10		End Term Examination: 35+35
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> • Prof. K.L. Sharma: <i>Paridhi Ke Pare : Darshnik Prabodhanki Nirdeshika</i> • Prof. K.L. Sharma: <i>Manviya Yatharthake Swar</i> • Deurzen, E. van : <i>Existential Counseling and Psychotherapy in Practice</i> • Deurzen, E. van : <i>Dialogue as therapy</i> • LeBon, T. : <i>Wise Therapy</i> • Ran Lahav: 'What is Philosophical in Philosophical Counseling?' <i>Journal of Applied Philosophy</i>, Vol. 13, No. 3 (1996), pp. 259-278 (20 pages) 		

VOC Session: 2025-26			
Part A – Introduction			
Subject	Philosophy		
Semester	VIth		
Name of the Course	Dhyana Yoga		
Course Code	B23-VOC-338		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	VOC		
Level of the course (As per Annexure-I)	100-199 (as no pre requisite for the course)		
Pre-requisite for the course (if any)	N.A		
Course Learning Outcomes(CLO):	After completing this course, the learner will be able to know/learn: 338.1 the basic concepts of Dharna. 338.2 the concept of Antrayas, and difference between Dharna and Dhyana. 338.3 the basics and methods of Dhyana. 338.4 about the kinds of Dhyana. 338.5* to Practices of all the seven kinds of Dhyana.		
	Theory	Practical	Total
Credits	02	02	04
Contact Hours	02	04	06
Max. Marks:-100		Time:-3 hrs.	
Internal Assessment Marks:-30 (15(T)+15(P))			
End Term Exam Marks:-70 (35(T)+35(P))			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x1) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours

I	Dharna: Meaning, Definition and Concept of Dharna; Kinds of Dharna: PrakritiDharna, Brahma Dharna; Methods and Practise of Dharna; Benefits of Dharna	8
II	Antrayas: Meaning, Definition, and Kinds. Antrayas: Their Nivritti in Yoga. Difference between Dharna and Dhyana. Difference between Dhyana and Samadhi.	7
III	Meaning, Definition, Kinds and Methods of Dhyana. Concept of Dhyata, Dhyana, and Dhyeya. Dhyana and Ekagrata. Need for Dhyana: Psychological, Social and Spiritual.	8
IV	Kinds of Dhyana- Method, Precautions and Benefits: VippassanaDhyana. PrekshaDhyana . Brahamnad Dhyana. Chakra Dhyana. Aman Dhyana(No Mind).	7
V*	Practical— Practice of Dhyana: Vippassana Dhyana, Preksha Dhyana , Brahamnad Dhyana, , Chakra Dhyana, Aman Dhyana (No Mind),	60
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory • Class Participation: 4 • Seminar/presentation/assignment/quiz/class test etc.: 4 • Mid-Term Exam: 7 ➤ Practicum • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10		End Term Examination: 35+35
Part C-Learning Resources		
Recommended Books/e-resources/LMS: • <i>Dhyana Sadhna</i> , BhartiyaYog Sansthan. • Dr. Vimla: <i>Vyakhyakaron Ki Darishti Mein Patanjali Yoga Darshan</i> • Vedvart Acharya: <i>Asana , Pranayama, Bandhaaur Mudra</i>		

Kurukshetra University, Kurukshetra

(Established by the State Legislature Act-XII of 1956)

("A++" Grade, NAAC Accredited)



Revised Scheme of Examination For Post Graduate Programme

M.A.PHILOSOPHY

As per NEP 2020

Curriculum and Credit Framework for Postgraduate Programme

With Multiple Entry-Exit, Internship and CBCS-LOCF

With effect from the session 2025-26 (in phased manner)

**DEPARTMENT OF PHILOSOPHY
FACULTY OF INDIC STUDIES**

KURUKSHETRA UNIVERSITY, KURUKSHETRA-136119

HARYANA, INDIA

Kurukshetra University, Kurukshetra

Revised Scheme of Examination for Postgraduate Programme Philosophy

As per NEP-2020 Curriculum and Credit Framework for Postgraduate Programmes (CBCS LOCF) with effect from the session 2025-26 (in phased manner) Framework-1
Scheme-Q

Semester	Course Type	Course Code	Nomenclature of course	Theory(T)/ Practical (P)	Credits		Contact hours per week L: Lecture P: Practical T: Tutorial				Internal Assessment Marks	End Term Examination Marks	Total Marks	Examination hours
						Total	L	T	P	Total				
1	CC-1	M24-PHI-101	Indian Philosophy-I	T	4	22	4	0	0	4	30	70	100	3
	CC-2	M24-PHI-102	Western Philosophy-I	T	4		4	0	0	4	30	70	100	3
	CC-3	M24-PHI-103	Indian Ethics	T	4		4	0	0	4	30	70	100	3
	CC-4	M24-PHI-104	Indian Logic	T	4		4	0	0	4	30	70	100	3
	PC-1	M24-PHI-105	Philosophical Counseling-I	P	4		0	0	8	8	30	70	100	4
	SEMINAR	M24-PHI-106	Seminar	S	2		0	0	0	2	0	50	50	1

2	CC-5	M24- PHI-201	Indian Philosophy-II	T	4	22	4	0	0	4	30	70	100	3
	CC-6	M24- PHI-202	Western Philosophy-II	T	4		4	0	0	4	30	70	100	3
	CC-7	M24- PHI-203	Western Ethics	T	4		4	0	0	4	30	70	100	3
	CC-8	M24- PHI-204	Western Logic	T	4		4	0	0	4	30	70	100	3
	PC-2	M24- PHI-205	Philosophical Counseling-II	P	4		0	0	8	8	30	70	100	4
	CHM	M24- CHM-201	Constitutional, Human, Moral, Values, and Intellectual Property Rights	T	2		2	0	0	2	15	35	50	3
	Internship	M-24-INT-200	An Internship course of 4 credits of 4-6 weeks duration during summer vacation after IInd semester is to be completed by every student. Internship can be either for enhancing the employability or for developing the research aptitude								50	50	100	

Semester	Course Type	Course Code	Nomenclature of course	Theory(T)/ Practical (P)	Credits		Contact hours per week L: Lecture P:Practical T: Tutorial				Internal Assessment Marks	End Term Examination Marks	Total Marks	Examination hours
						Total	L	T	P	Total				
3	CC-9	M24-PHI-301	Contemporary Indian Philosophy-I	T	4	22	4	0	0	4	30	70	100	3
	CC-10	M24-PHI-302	Contemporary Western Philosophy-I	T	4		4	0	0	4	30	70	100	3
	DEC-1 (Optional)	M24-PHI-303	Social and Political Philosophy(Indian)	T	4		4	0	0	4	30	70	100	3
		M24-PHI-304	Philosophical Teachings of Bhagavadgita-I	T	4		4	0		4	30	70	100	3
	DEC-2 (Optional)	M24-PHI-305	Comparative Religion-I	T	4		4	0	0	4	30	70	100	3
		M24-PHI-306	Philosophy of Religion-1	T	4		4	0	0	4	30	70	100	3
	PC-3	M24-PHI-307	Yoga-1	P	4		0	0	8	8	30	70	100	4
	OEC	M24-OEC-336	Philosophy of Yoga	T	2		0	0	0	2	15	35	50	2

4	CC-11	M24- PHI-401	Contemporary Indian Philosophy-II	T	4	22	4	0	0	4	30	70	100	3
	CC-12	M24- PHI-402	Contemporary Western Philosophy-II	T	4		4	0	0	4	30	70	100	3
	DEC3 (Optional)	M24- PHI-403	Social and Political Philosophy(Western)	T	4		4	0	0	4	30	70	100	3
		M24- PHI-404	Philosophical Teachings of Bhagavadgita-II	T	4		4	0	0	4	30	70	100	3
	DEC-4 (Optional)	M24- PHI-405	Comparative Religion-II	T	4		4	0	0	4	30	70	100	3
		M24- PHI-406	Philosophy of Religion-II	T	4		4	0	0	4	30	70	100	3
	PC-4	M24- PHI-407	Yoga-II	P	4		0	0	8	8	30	70	100	4
	EEC	M24- PHI-408	Philosophical Research Methodology	T	2		2	0	0	2	15	35	50	2
OR DISSERTATION														
(NOTE:-IF A CANDIDATE OFFERED DISSERTATION COURSE, THEN HE/SHE WILL ALSO STUDIES CC-11,DEC-3 AND EEC FROM COURSES OF THE SEMESTER 4)														
Dissertation /Project Work	M24- PHI-409		D	12	12	0	0	0	12	0	300	300		

Kurukshetra University, Kurukshetra
(Established by the State Legislature Act-XII of 1956)
("A++" Grade, NAAC Accredited)



**Revised Syllabus of the Programme
for
Post Graduate Programme**

M.A. Philosophy

**as per NEP 2020
Curriculum and Credit Framework for Postgraduate Programme**

**With Multiple Entry-Exit, Internship and CBCS-LOCF
With effect from the session 2025-26**

**DEPARTMENT OF PHILOSOPHY
FACULTY OF INDIC STUDIES**

**KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119
HARYANA, INDIA**

Session: 2025-26

Part A – Introduction

Subject	Philosophy		
Semester	1st		
Name of the Course	Indian Philosophy -I		
Course Code	M24-PHI- 101		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-1		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	3 Year UG degree		
Course Learning Outcomes(CLO):	After Completion of the course, the student will be able to:- 101.1 Understand the basic concepts of Vedic and Charvaka Darshan. 101.2 Understand the core principles of Jainism and Buddhism. 101.3 Answer the questions regarding Nyaya Darshan. 101.4 Understand the basics of Vaisesika Darshan.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		

Part B-Contents of the Course

Instructions for Paper- Setter

The paper-setter is requested to set **Nine** questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt **Five** questions in all, selecting one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
I	Vedic and Upaniṣadic Darshan: Ṛta – The Cosmic Order: The Divine and The Human Realms. The Centrality of The Institution of Yajñā. Theories of Creation.	15

	Ātman: Jāgrat, Svapna, Susupti and Turiya. Brahman. Cārvāka Darshan: : Pratyakṣa as the only Pramāṇa. Critique of Anumāna and Śabda. Consciousness as Epi-Phenomenon.	
II	Jain Darshan: Concept of Reality – Sat, Dravya, Guṇa, Paryāya, Jiva, Ajiva. Theory of Knowledge. Bauddh Darshan: Four Noble Truths, Āstangika Mārga. Pratityasamutpāda. Kṣaṇabhahgavāda. Anātmavāda.	15
III	Nyāya Darshan: Pramā and Apramā. Theories of Pramāṇa: Pratyakṣa, Anumāna, Upamana, Śabda. Khyativad.	15
IV	Vaiśeṣika Darshan: Concept of Padārtha and its Kinds. Asatkāryavāda. Kinds of Kāraṇa: Samavāyi, Asamavāyi, and Nimitta Kāraṇa. Paramāṇukaraṇavāda.	15
Total Contact Hours		60

Suggested Evaluation Methods

Internal Assessment:

> Theory

- Class Participation: **5**
- Seminar/presentation/assignment/quiz/class test etc.: **5+5**
- Mid-Term Exam: **15**

**End Term Examination:
70**

Part C-Learning Resources

Recommended Books

- Nilima Sinha : *Bhartiya Gyana Mimansa*,
 J.N.Sinha: *Bhartiya Darshan* Vols. I to II.
 M. Hiriyanna : *Outlines of Indian Philosophy*.
 C.D.Sharma : *A Critical Survey of Indian Philosophy*.
 S.N. Dasgupta : *A History of Indian Philosophy*, Vols. I to V.
 S. Radhakrishnan : *Indian Philosophy*, Vols. I to II.
 D.M. Datta & S.C. Chatterjee : *Introduction to Indian Philosophy*.
 (Hindi Version also available)
 H.P. Sinha : *Bhartiya Darshan ki Rooprekha*.
 Dr. Jagdish Chandra Mishra : *Bhartiya Darshan*
 Dr. R.P.Sharma : *Bhartiya Darshan*
 Jaidev Singh : *Bhartiya Darshan kalit hash* Vols. I to V.

Session: 2025-26

Part A - Introduction

Subject	Philosophy		
Semester	1 st		
Name of the Course	Western Philosophy -I		
Course Code	M24-PHI- 102		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-2		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	3 Year UG degree		
Course Learning Outcomes(CLO):	After Completion of the course, the student will be able to understand:- 102.1 the basics of Pre Socratic-Philosophy. 102.2 the core philosophy from Socratic to Plato. 102.3 thePhilosophy of Aristotle. 102.4 Aristotle & post Aristotelian Ethical Thoughts.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		

Part B-Contents of the Course

Instructions for Paper- Setter

The paper-setter is requested to set **Nine** questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt **Five** questions in all, selecting one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
I	Pre-Socratic Philosophers: Ionians. Parmenides. Heraclitus. Democritus.	15

	Anaxagoras.	
II	Sophists Skepticism. Socratic Method. Plato: Theory of Knowledge. Knowledge and Opinion. Theory of Ideas.	15
III	Aristotle: Critique of Plato's Theory of Ideas. Theory of Causation. Form and Matter. Soul and God.	15
IV	Aristotle's Concept of Eudemonia. Epicurean Hedonistic Ethics. Stoics Ethical Principles.	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 5+5 • Mid-Term Exam: 15		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: Jagdish Sahay Srivastava : <i>Adhunik Darshana Ka Vaigyanika Itihasa.</i> Y. Masih: <i>A Critical History of Western Philosophy</i> (Hindi Version also available) Frank Thilly : <i>A History of Philosophy.</i> B. Russell : <i>A History of Philosophy.</i> Daya Krishna : <i>Pashchatya Darsana Itihasa Vols. I to II</i> F. Copleston : <i>A History of Philosophy.</i> W.K. Wright : <i>A History of Modern Philosophy.</i> W.T. Stace : <i>Critical History of Greek Philosophy.</i> Nicholas Bunnin & : <i>The Blackwell Companion to Philosophy</i> E.P. Tsui-James (Ed.) (Second Edition). Sobha Nigam : <i>Paschatya Darshan kesamprdaay.</i>		

Session: 2025-26

Part A - Introduction

Subject	Philosophy
Semester	1 st
Name of the Course	Indian Ethics
Course Code	M24-PHI- 103
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-3
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	3 Year UG degree
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to understand 103.1 the basic concepts of Indian Ethics. 103.2 various Indian Vedic Ethical Concepts. 103.3 the philosophy of the Gita and Yoga 103.4 the Buddhist and Jaina ethics

Credits	Theory	Practical	Total
		4	0
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		

Part B-Contents of the Course

Instructions for Paper- Setter

The paper-setter is requested to set **Nine** questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt **Five** questions in all, selecting one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
I	Nature, Scope and Importance of Indian Ethics. Concept of Rna. Concept of Duty. Concept of Purusārtha.	15

II	Varṇāshrama Dharma. Sādhāraṇa Dharma. Law of Karma. Śreyas and Preyas.	15
III	Karma-yoga. Sthitprajñā. Svadharmā. Lokasaṃgraha.	15
IV	Jainism: Samvara-Nirjarā. Tri-Ratṇa. Panch-mahāvratā. Buddhism: Brahma-vihāra. The Ideal of Arhat and Bodhisattva	15
Total Contact Hours		60

Suggested Evaluation Methods

Internal Assessment:

➤ Theory

- Class Participation: 5
- Seminar/presentation/assignment/quiz/class test etc.: 5+5
- Mid-Term Exam: 15

**End Term
Examination:
70**

Part C-Learning Resources

Suggested Books:

- Ashok Kumar Verma : *NitishastrakiRooprekha*
 B.G. Tilak : *Karam yoga.*
 I.C. Sharma : *Ethical Philosophies of India.*
 N.K.Brahma : *Philosophy of the Hindu Sadhana.*
 M.Hiriyanna : *The Indian Conception of Values.*
 R. Prasad : *Varnadharmā, Niskama Karma and Practical Morality.*
 Sri Aurobindo : *Essays on the Gita.*
 S.K. Maitra : *The Ethics of the Hindus.*
 V.P.Verma : *Nitidarshan Ki Bhumika*
 V.P.Verma : *Adhinitishastra.*
 Ram Nath Sharma : *BhartiyaNitishastra*
 NityaNand Mishra : *Nitishastra: SidhantvaVyavhar*

Session: 2025-26

Part A - Introduction

Subject	Philosophy
Semester	1 st
Name of the Course	Indian Logic
Course Code	M24-PHI- 104
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-4
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	3 Year UG degree
Course Learning Outcomes (CLO):	After completion of the course the student will be able to understand:- 104.1 the basic of Indian Logic with reference to different Indian Schools. 104.2 the kinds of Anumana. 104.3 the concept of Vyaptigrahopaya. 104.4 different theories of knowledge in Jainism.

Credits	Theory	Practical	Total
		4	0
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		

Part B-Contents of the Course

Instructions for Paper- Setter

The paper-setter is requested to set **Nine** questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt **Five** questions in all, selecting one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
I	Nature, Scope and Utility of Logic with special reference to Indian Logic.	15

	Definition and Constituents of Anumāna in Nyāya and Buddhism. Nature of Vyāpti in Nyāya and Buddhism.	
II	Types of Anumāna in Nyāya, Buddhism. Hetvābhāsa in Nyaya. Concept of Anumāna in Navya–Nyāya.	15
III	The Concepts of Vyāptigrahopāya: Sāmānya Lakṣaṇa Pratyāsatti, Tarka, Upādhi-Nirāsa. Buddhist Doctrine of Apoha. Inductive Elements in Indian Logic.	15
IV	Anekāntavāda. Syādvāda. Nayavāda.	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 5+5 • Mid-Term Exam: 15		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: B.N. Singh : <i>Indian Logic.</i> B.K. Matilal : <i>The Navya- Nyaya Doctrine of Negation.</i> D.C. Guha : <i>Navya - Nyaya System of Logic.</i> F.Th. Stcherbatsky : <i>Buddhist Logic, Vols. I & II.</i> Nandita Bandyopadhyaya : <i>The Concept of Logical Fallacies.</i> S. Barlingay : <i>A Modern Introduction to Indian Logic.</i> S.R. Bhatt (Tr) : <i>Buddhist Epistemology.</i> Kedar Nath : <i>Bhartiya Tarkshastra.</i> C.D Sharma : <i>Critical Survey of Indian Philosophy</i>		

Session: 2025-26			
Part A– Introduction			
Subject	Philosophy		
Semester	1 st		
Name of the Course	Philosophical Counseling-I		
Course Code	M24-PHI- 105		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	PC-1		
Level of the course (As per Annexure-I	400-499		
Pre-requisite for the course (if any)	3 Year UG degree		
Course Learning Outcomes (CLO):	<p>After completion of the course the student will be able to learn/practice:-</p> <p>105.1 the Practice of Philosophical Counseling.</p> <p>105.2 the skill of philosophical counseling .</p> <p>105.3 the connection between self and others and conceptualization.</p> <p>105.4 the issues related to authenticity, freedom, morality and immorality.</p>		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	00	30	30
End Term Exam Marks	00	70	70
Maximum Marks	00	100	100
Examination Time		4 Hours	
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x1) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours

I	Practicing Dialogue in philosophical counseling: Socratic dialogue. Upaniṣadic dialogue. Krishnamurti dialogue	30
II	Counseling skills: Active listening. Paraphrasing. Interpreting. Disputing (Questioning) Unconditional Positive Regard	30
III	Understanding Self, Others and World: Activity- To Write a Journal on the Reflections During the Dialogue.	30
IV	Analysing the issues related to Meaning of Life and Questions.Concerning Good & Evil. Understanding the Concept of Morality and Immorality.	30
	Total Contact Hours	120

Suggested Evaluation Methods

Internal Assessment: > Theory • Class Participation: • Seminar/presentation/assignment/quiz/class test etc. • Mid-Term Exam: > Practicum • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 5+5 =10 • Mid-Term Exam: 15	End Term Examination: 70
---	---

Part C-Learning Resources

Recommended Books/e-resources/LMS:

Prof. K.L. Sharma: *Paridhi Ke Pare :Darshnik PrabodhankiNirdeshika*

Prof. K.L. Sharma: *ManviyaYatharthakeSwar*

Deurzen, E. van (2002) : *Existential Counseling and Psychotherapy in Practice*

Deurzen, E. van (1992): *Dialogue as therapy*

LeBon, T. (2001): *Wise Therapy*

Ran Lahav (1996): 'What is Philosophical in Philosophical Counseling?' *Journal of Applied Philosophy*, Vol. 13, No. 3 (1996), pp. 259-278 (20 pages)

Session: 2025-26			
Part A– Introduction			
Subject	Philosophy		
Semester	1 st		
Name of the Course	Seminar		
Course Code	M24-PHI- 106		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	SEMINAR		
Level of the course (As per Annexure-I	400-499		
Pre-requisite for the course (if any)	UG DEGREE		
Course Learning Outcomes (CLO):	CLO 1: To enhance the communication skill of the students to express the subject effectively during academic and professional discourse and to improve their ability to comprehend, and integrate academic text.		
Credits			SEMINAR
			2
Teaching Hours per week			2
Internal Assessment Marks			0
End Term Exam Marks			50
Maximum Marks			50
Examination Time	1 Hour		

Session: 2025-26

Part A–Introduction

Subject	Philosophy
Semester	2 nd
Name of the Course	Indian Philosophy -II
Course Code	M24-PHI- 201
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-5
Level of the course (As per Annexure-I	400-499
Pre-requisite for the course (if any)	3 Year UG degree
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to understand 201.1 the philosophical concepts of Sankhya Darshan. 201.2 the philosophical concepts of Yoga Darshan. 201.3 the philosophical concepts of Mimamsa Darshan. 201.4 the philosophical concepts of the Advaita Vedanta

Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		

Part B-Contents of the Course

Instructions for Paper- Setter

The paper-setter is requested to set **Nine** questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt **Five** questions in all, selecting one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
------	--------	---------------

I	Sāṃkhya Darshan: Prakṛti and Its Evolutes. Arguments For The Existence of Prakṛti. Nature of Puruṣa. Arguments For The Existence and Plurality of Puruṣa. Satkaryavada.	15
II	Yoga :Patañjali's Theory of Pramāṇa. Concept of Ātma and Ātma – Vṛtti. Stages of Ātma bhūmi. Kriya-Yoga.	15
III	Purva – Mimāṃsā :Pramāṇyavāda— Svataḥ-Pramāṇyavāda and Parataḥ-Pramāṇyavada. Śruti and Its Importance. Classification of Śruti-Vākyas—Vidhi, Niṣedha and Arthavāda. Concept of Jātiśaktivada. Kumārila and Prabhākara Schools of Mimāṃsā and Their Major Points of Difference.	15
IV	Advaita: Brahman. Relation between Brahman and Ātman. Three Grades of Sattā. Concepts of Adhyāsa, Māya and Jiva. Vivartavāda.	15
	Total Contact Hours	60

Suggested Evaluation Methods

Internal Assessment:

- **Theory**
- Class Participation: **5**
- Seminar/presentation/assignment/quiz/class test etc.: **5+5**
- Mid-Term Exam: **15**

End Term Examination:
70

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- M. Hiriyanna : *Outlines of Indian Philosophy.*
C.D.Sharma : *A Critical Survey of Indian Philosophy.*
S.N. Dasgupta : *A History of Indian Philosophy, Vols. I to V.*
S. Radhakrishnan : *Indian Philosophy, Vols. I to II.*
D.M. Datta & S.C. Chatterjee : *Introduction to Indian Philosophy.* (Hindi Version also available)
H.P. Sinha : *Bhartiya Darshan ke Rooprekha.*
Dr. Jagdish Chandra Mishra : *Bhartiya Darshan*
Dr. R.P.Sharma : *Bhartiya Darshan*
Jai Dev Singh : *Bhartiya Darshan Ka Itihas Vols. I to V.*

Session: 2025-26	
Part A–Introduction	
Subject	Philosophy
Semester	2 nd
Name of the Course	Western Philosophy-II
Course Code	M24-PHI- 202
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-6
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	3 Year UG degree
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to 202.1 understand the philosophy of Descartes and Spinoza. 202.2 understand the philosophical thoughts of Leibnitz and Locke. 202.3 comprehend the empiricism of Berkeley and Hume. 202.4 to answer the questions regarding Kant and Hegel.

Credits	Theory	Practical	Total
		4	0
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		

Part B-Contents of the Course

Instructions for Paper- Setter

The paper-setter is requested to set **Nine** questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt **Five** questions in all, selecting one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
I	Descartes: Cartesian method. Cogito ergo sums. Interactionism. Spinoza: Substance, Attribute and Mode. the Concept of ‘God or Nature’. Parallelism.	15

II	Leibnitz: Nature and Types of monads, Principles of non-contradiction, Sufficient reason, and Identity of indiscernible. The doctrine of pre-established harmony. Locke: Refutation of Innate Ideas. Ideas and Their Classification. Distinction between Primary and Secondary Qualities.	15
III	Berkeley: Rejection of the distinction between primary and secondary qualities. <i>Esse est percipi..</i> Hume : Impressions and ideas. Knowledge concerning relations of ideas and knowledge concerning matters of fact. Skepticism.	15
IV	Kant: Process of Knowledge. Copernican revolution. Possibility of synthetic a priori judgements. Hegel: Dialectic Method.	15
	Total Contact Hours	60

Suggested Evaluation Methods

Internal Assessment:

- **Theory**
- Class Participation: **5**
- Seminar/presentation/assignment/quiz/class test etc.: **5+5**
- Mid-Term Exam: **15**

**End Term
Examination:
70**

Part C-Learning Resources

Recommended Books/e-resources/LMS:

Jagdish Sahay Srivastava : *Adhunik Darshana Ka Vaigyanika Itihasa*
 Ramnath Sharma : *History of Western Philosophy.*
 Frank Thilly and Ledger Wood : *A History of Philosophy.*
 D.J. O'Conner : *A Critical History of Western Philosophy.*
 Daya Krishna : *Pashchatya Darsana Itihasa Vol.1& 2*
 W.K. Wright : *A History of Modern Philosophy.*
 Y. Masiha: *A Critical History of Western Philosophy*
 (Hindi Version also available)
 Sobha Nigam : *Paschatya Darshan kesamprdaay.*

Session: 2025-26			
Part A - Introduction			
Subject	Philosophy		
Semester	2 nd		
Name of the Course	Western Ethics		
Course Code	M24-PHI- 203		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-7		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	3 Year UG degree		
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to 203.1 understand the basics of Western Ethics. 203.2 understand the different theories of Western Ethics. 203.3 answer questions regarding various normative ethical theories. 203.4 understand Meta Ethical Theories.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			

Unit	Topics	Contact Hours
I	Nature and Scope of Western Ethics. Concepts of Good, Right, Duty. Cardinal Virtues.	15
II	Egoism. Subjectivism. Cultural Relativism.	15
III	Normative Ethics: Aristotle (Theory of Golden Mean). Utilitarianism: J. Bentham, J.S. Mill & H. Sidgwick. Kant's moral theory: Postulates of morality. Categorical Imperative.	15
IV	Ethical Realism and Intuitionism of G.E Moore. Emotivism of A.J Ayer. Prescriptivism of R.M Hare.	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 5+5 • Mid-Term Exam: 15		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: Harry J. Gensler: <i>Ethics</i> Piers Benn : <i>Ethics</i> William K. Frankena : <i>Ethics</i> Mary Warnock : <i>Ethics since 1900</i> W.Lillie : <i>Manual of Ethics.</i> J.N.Sinha : <i>Manual of Ethics</i> (Hindi Version also Available). V.P.Verma : <i>NitishastraKeMoolSidhanta.</i> V.P. Verma : <i>AdhinitishastraKeMoolSidhant.</i> Dr.H.N.Mishra : <i>NitishastrakiBhumika.</i> Dr. R.P.Mishra : <i>Nitishastra</i> Dr. Ramnath Sharma : <i>NitishastrakiRuprekha.</i> Aristotle : <i>Nichomachean Ethics.</i> J.Bentham : <i>Principles of Morals and Legislation.</i> J.S.Mill : <i>Utilitarianism.</i> Immanuel Kant : <i>Foundations of the Metaphysics of Morals.</i> Immanuel Kant : <i>Critique of Practical Reason.</i>		

Session: 2025-26	
Part A - Introduction	
Subject	Philosophy
Semester	2 nd
Name of the Course	Western Logic
Course Code	M24-PHI- 204
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	CC-8
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	3 Year UG degree
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to:- 204.1 understand basics of Logic and Language. 204.2 understand the nature ofCategorical Propositions. 204.3 answers the questions regarding truth functional Logic. 204.4 understand the concepts of Induction and Hypothesis.

Credits	Theory	Practical	Total
		4	0
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		

Part B-Contents of the Course

Instructions for Paper- Setter

The paper-setter is requested to set **Nine** questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt **Five** questions in all, selecting one question

from each unit. All questions carry equal marks.		
Unit	Topics	Contact Hours
I	Nature and Definition of Logic. The Difference between Inductive and Deductive Logic. Three main functions of language. Connotation & Denotation. Informal fallacies.	15
II	Nature of Categorical Proposition, its Four-fold Classification. Quality, Quantity and Distribution of Terms. Standard-Form Categorical Syllogism: Major, Minor and Middle Term, Mood and Figure. Basic Rules for determining Validity of Syllogism.	15
III	Immediate Inferences: Conversion, Obversion and Contraposition. Square of Opposition. Symbolic Logic: Techniques of Symbolization. Testing Validity/Invalidity of an Argument by Truth-table Method.	15
IV	Statement Forms: Tautologies, Contradictory and Contingent. Nature and Definition of Induction. Nature and Kinds of Hypothesis.	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-Term Exam: 15		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: I.M. Copi : <i>Introduction to Logic</i> . (Hindi Version also available) I.M. Copi : <i>Symbolic Logic</i> (6 th Edition), Chapters 4 and 5. Ashok Kumar Verma : <i>SaralNigmanTarkshastra</i> . A.N. Prior : <i>Formal Logic</i> . Patrick Suppes : <i>Introduction to Logic</i> . A. Singh & C. Goswami : <i>Fundamentals of Logic</i> . B.L. Sharma : <i>TarkaShastraPravesh</i> . RamnathShrama : <i>Tarkashastra</i> .		

Session: 2025-26	
Part A - Introduction	
Subject	Philosophy
Semester	2 nd
Name of the Course	Philosophical Counseling-II
Course Code	M24-PHI- 205
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	PC-2
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	3 Year UG degree
Course Learning Outcomes (CLO):	After completion of the course the student will be able to learn about: 205.1 the other world views . 205.2 nature of self-transformation in Krishnamurti's Philosophy and Yoga Philosophy. 205.3 the transformative aspects of Baudha Darshan. 205.4 the transformative aspects of Bhakti Marga.

Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Maximum Marks	100	0	100
Examination Time		4 Hours	

Part B-Contents of the Course

Instructions for Paper- Setter

The paper-setter is requested to set **Nine** questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt **Five** questions in all, selecting one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
I	Understanding Other's World View: Identifying Philosophical World View. Role Play (Mock Counseling Sessions)	30
II	Trasformative Practices in Yoga Krishnamurti's Method of Self-Inquiry and Awareness.	30
III	Transformative Practices of Baudha Darshan: Foundations of Mindfulness. Anapana Sati. Vippassana.	30
IV	Transformative Aspects of Bhakti: Emotional Transformation through Music and Bhajans.	30
	Total Hours	120

Suggested Evaluation Methods

Internal Assessment:

➤ Theory

- Class Participation:
- Seminar/presentation/assignment/quiz/class test etc.:
- Mid-Term Exam:

➤ Practicum

- Class Participation: **5**
- Seminar/Demonstration/Viva-voce/Lab records etc.: **5+5 =10**
- Mid-Term Exam: **15**

**End Term
Examination:
70**

Part C-Learning Resources

Recommended Books/e-resources/LMS:

Prof. K.L. Sharma(2024): Bhartiya Darshan ka Rupantarankari Svarup
 Prof. K.L. Sharma: Manviya Yatharthake Swar
 Deurzen, E. van (2002) : Existential Counselling and Psychotherapy in Practice
 Deurzen, E. van (1992): Dialogue as therapy
 LeBon, T. (2001): Wise Therapy

CHM

Session:2025-26			
Part A-Introduction			
Name of the Programme	Common to all PG Programmes		
Semester	2 nd		
Name of the Course	Constitutional, Human and Moral Values, and IPR		
Course Code	M24-CHM-201		
Course Type	CHM		
Level of the course	400-499		
Pre-requisite for the course(if any)	-		
Course Learning Outcomes(CLO) After completing this course, the learner will be able to:	<p>CLO-1: Learn the different Constitutional Values, Fundamental rights and duties enshrined in the India Constitution.</p> <p>CLO-2: Understand humanism, human virtues and values, and idea of International peace.</p> <p>CLO-3: Grasp the basic concepts of Moral Values and Professional Conduct which are required to become a part of the civil society and for developing professionalism.</p> <p>CLO-4: Understand concepts of Intellectual Property Rights, Copyright, Patent, Trademark etc., and about threats of Plagiarism.</p>		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			

Unit	Topics	Contact Hours
I	Constitutional Values: Historical Perspective of Indian Constitution; Basic Values enshrined in the Preamble of the Indian Constitution; Concept of Constitutional Morality; Patriotic Values and Ingredients Nation Building; Fundamental Rights and Duties ; Directive Principles of the State Policy.	8
II	Humanistic Values: Humanism, Human Virtues and Civic Sense; Social Responsibilities of Human Beings; Ethical ways to deal with human aspirations; Harmony with society and nature; Idea of International Peace and Brotherhood (VasudhaivKutumbkam).	7
III	Moral Values and Professional Conduct Understanding Morality and Moral Values; Moral Education and Character Building; Ethics of Relations: Personal, Social and Professional; Introduction to Gender Sensitization; Affirmative approach towards Weaker Sections (SCs, STs, OBCs, EWS& DAs); Ethical Conduct in Higher Education Institutions; Professional Ethics.	8
IV	Intellectual Property Rights: Meaning, Origins and Nature of Intellectual Property Rights (IPRs);Different Kinds of IPRs – Copyright, Patent, Trademark, Trade Secret/Dress, Design, Traditional Knowledge; Infringement and Offences of IPRs – Remedies and Penalties; Basics of Plagiarism policy of UGC.	7
Note: Scope of the syllabus shall be restricted to generic and Introductory level of mentioned topics.		
Total Contact Hours		30
Suggested Evaluation Methods		
InternalAssessment:15		EndTermExamination:35
➤ Theory	15	➤ Theory
• Class Participation:	4	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	4	
• Mid-Term exam:	7	
PartC-LearningResources		
RecommendedBooks/e-resources/LMS:		
Ahuja, V K. (2017). <i>Law relating to Intellectual Property Rights</i> , India, IN: Lexis Nexis.		
Bajpai,B.L., <i>IndianEthosandModernManagement</i> ,NewRoyalBookCo.,Lucknow,2004.		
Basu, D.D., <i>Introductionto the Constitutionof India</i> (Students Edition) Prentice Hall of India Pvt. Ltd., New Delhi, 20th ed., 2008.		
Dhar,P.L.&R.R.Gaur, <i>ScienceandHumanism</i> ,CommonwealthPublishers,NewDelhi,1990.		
George, Sussan, <i>How the Other Half Dies</i> , Penguin Press, 1976.		
Govindarajan,M.,S.Natarajan,V.S.Sendilkumar(eds.), <i>EngineeringEthics(IncludingHuman</i>		

Values), Prentice Hall of India Private Ltd, New Delhi, 2004.

Harries, Charles E., Michael S. Pritchard & Michael J. Robins, *Engineering Ethics*, Thompson Asia, New Delhi, 2003.

Illich, Ivan, *Energy & Equity*, Trinity Press, Worcester, 1974.

Meadows, Donella H., Dennis L. Meadows, Jorgen Randers & William W. Behrens, *Limits to Growth: Club of Rome's Report*, Universe Books, 1972.

Myneni, S.R., *Law of Intellectual Property*, Asian Law House.

Narayanan, P, *IPRs*.

Neeraj, P., & Khusdeep, D. (2014).
Intellectual Property Rights, India, IN: PHI Learning Private Limited.

Nithyananda, K.V. (2019). *Intellectual Property Rights: Protection and Management*. India, IN: Cengage Learning India Private Limited.

Palekar, Subhas, *How to practice Natural Farming*, Pracheen (Vaidik) Krishi Tantra Shodh, Amravati, 2000.

Phaneesh, K.R., *Constitution of India and Professional Ethics*, New Delhi.

Pylee, M. V., *An Introduction to Constitution of India*, Vikas Publishing, New Delhi, 2002.

2. Raman, B.S., *Constitution of India*, New Delhi, 2002.

Reddy, B., *Intellectual Property Rights and the Law*, Gogia Law Agency.

Reddy, N.H., Santosh Ajmera, *Ethics, Integrity and Aptitude*, McGraw Hill, New Delhi.

Sharma, Brij Kishore, *Introduction to the Constitution of India*, New Delhi,

Schumacher, E.F., *Small is Beautiful: A Study of Economics as if People Mattered*, Blond & Briggs, Britain, 1973.

Singh, Shubham et. al., *Constitution of India and Professional Ethics*, Cengage Learning India Pvt. Ltd., Latest Edition, New Delhi, 2018.

Tripathy, A.N., *Human Values*, New Age International Publishers, New Delhi, 2003.

Wadehra, B.L., *Law relating to Intellectual Property*, Universal Law Publishing Co. **Relevant Websites, Movies and Documentaries:**

Value Education Websites, <http://uhv.ac.in>, <http://www.uptu.ac.in>.

Story of Stuff, <http://www.storyofstuff.com>

Cell for IPR Promotion and Management: <http://cipam.gov.in/>.

World Intellectual Property Organization: <https://www.wipo.int/about-ip/en/>

Office of the Controller General of Patents, Designs & Trademarks: <http://www.ipindia.nic.in/>

Al Gore, *An Inconvenient Truth*, Paramount Classics, USA.

Charlie Chaplin, *Modern Times*, United Artists, USA.

Modern Technology – The Untold Story, IIT, Delhi.

A. Gandhi, *Right Here Right Now*, Cyclewala Productions.

Kurukshetra University, Kurukshetra
(Established by the State Legislature Act-XII of 1956)
("A++" Grade, NAAC Accredited)

Syllabus of the Programme
for
Post Graduate Programme
M.A. Philosophy (3rd & 4th Semester)
as per NEP 2020
Curriculum and Credit Framework for Postgraduate Programme
With effect from the session 2025-26



DEPARTMENT OF PHILOSOPHY
FACULTY OF INDIC STUDIES
KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119
HARYANA, INDIA

Syllabi of the Courses

CC-9

Session: 2025-26			
Part A – Introduction			
Subject	Philosophy		
Semester	3 rd		
Name of the Course	Contemporary Indian Philosophy-I		
Course Code	M24-PHI-301		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-9		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes(CLO):	After completion of the course the student will be able to understand: 301.1 the basic concepts of the philosophies of Swami Vivekananda and Sri Aurobindo 301.2 the basic concepts of the philosophies of Rabindranath Tagore & Muhammad Iqbal 301.3 the basic concepts in the philosophies of K. C. Bhattacharyya and Sarvepalli Radhakrishnan 301.4 the basic concepts in the philosophies of Dr. Ambedkar and Deendayal Upadhyaya.		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	Swami Vivekananda: Practical Vedanta; Universal Religion. Sri Aurobindo: Evolution; Integral Yoga.		15
II	Rabindranath Tagore: Religion of Man; Ideas on Education;		15

	Concept of Nationalism. Muhammad Iqbal: Self; God; Man and Superman.	
III	K. C. Bhattacharyya: Swaraj in ideas; Concept of Philosophy. Sarvepalli Radhakrishnan: The Idealist View of Life; Hindu View of Life.	15
IV	Bhim Rao Ambedkar: Annihilation of Caste; Neo-Buddhism. Deendayal Upadhyaya: Ekatma Manavvaad; Purushartha.	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 5+5 • Mid-Term Exam: 15		End Term Examination: 70
Part C-Learning Resources		
Recommended Books:		
B.K. Lal	: <i>Contemporary Indian Philosophy</i> . (Hindi version also available).	
K. C. Bhattacharya	: <i>Studies in Philosophy</i> .	
Swami Vivekananda	: <i>Complete Works</i> . (Hindi version also available).	
Sri Aurobindo	: <i>Life Divine</i> . (Hindi version also available).	
Sri Aurobindo	: <i>Integral Yoga</i> . (Hindi version also available).	
T.M.P. Mahadevan & C.V. Saroja	: <i>Contemporary Indian Philosophy</i> .	
V.S. Naravana	: <i>Modern Indian Thought</i> (Hindi version also available).	

CC-10

Session: 2025-26

Part A – Introduction

Subject	Philosophy		
Semester	3 rd		
Name of the Course	Contemporary Western Philosophy-I		
Course Code	M24-PHI- 302		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	CC-10		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes(CLO):	After Completion of the course, the student will be able to: 302.1 understand the theories of meaning of Frege & William James. 302.2 understand the analytical philosophy of Moore and Russell 302.3 understand the analytical philosophy of Wittgenstein 302.4 answer questions about the philosophies of A.J. Ayer and Gilbert Ryle.		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		

Part B-Contents of the Course**Instructions for Paper- Setter**

The paper-setter is requested to set **Nine** questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt **Five** questions in all, selecting one question from each unit. All questions carry equal marks.

Unit	Topics	Contact Hours
I	William James: Pragmatic Theory of Meaning and Truth; Varieties of Religious Experience; G. Frege: Sense and Reference.	15
II	Moore: Refutation of Idealism; Defense of Common Sense;	15

	Russell: Logical Atomism; Definite Descriptions.	
III	Wittgenstein: The Picture Theory of Meaning; Critique of Private Language; Meaning as Use; Notion of Philosophy; Wittgensteinian Fideism (<i>On Certainty</i>).	15
IV	A J Ayer: Verification Theory of Meaning; Concept of Philosophy; Gilbert Ryle: Systematically Misleading Expressions; Category Mistake; Concept of Mind.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 5+5 • Mid-Term Exam: 15 		70
Part C-Learning Resources		
Recommended Books		
Ajit Kumar Sinha	: <i>Samkalin Darshan.</i>	
B.K.Lal	: <i>Samkalin Paschatya Darshan.</i>	
Laxmi Saxena	: <i>Samkalin Darshan.</i>	
Ludwig Wittgenstein	: <i>On Certainty</i>	
John Passmore	: <i>Hundred Years of Philosophy</i>	
W.James	: <i>Varieties of Religious Experience</i>	

DEC-1

Session: 2025-26			
Part A - Introduction			
Subject	Philosophy		
Semester	3 rd		
Name of the Course	Social and Political Philosophy (Indian)		
Course Code	M24-PHI- 303		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/ DSE/PC/AEC/VAC)	DEC-1		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes(CLO):	After Completion of the course, the student will be able to understand: 303.1 the basics of Social Philosophy. 303.2 the basics of social institutions. 303.3 the fundamentals of political philosophy of the <i>Mahabharata</i> , Kautilya & Kamandaki. 303.4 various forms of social movements & governance		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u> The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics	Contact Hours	
I	Social Philosophy: Definition and Nature of Social Philosophy; Social Institutions: Family; Marriage.	15	
II	Social Institutions: Property; Education; Religion.	15	
III	Mahabharata: Danda-Niti; Rajdharma; Narada's Questions to King Yudhishtira. Kautilya: Sovereignty; Seven Pillars of State-craft. Kamandaki: Social order and State elements.	15	

IV	Constitutionalism; Total Revolution; Social Democracy; Constitutional Morality; Secularism and Fundamental Rights.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 5+5 • Mid-Term Exam: 15		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
Ajit Kumar Sinha	: <i>Outlines of Social Philosophy</i>	
Barbara Goodwin	: <i>Using Political Ideas</i>	
J.S.Makenzi	: <i>Social Philosophy</i>	
Satyapal Gautam	: <i>Samaj Darshan.</i>	
Shivbhanu Singh	: <i>Samaj Darshan Ka Sarvekshan</i>	
Ramender	: <i>Samaj Avam Rajniti Darshan</i>	
Vedvyasa	: <i>Mahabharata</i>	
Vishnu Gupta	: <i>Arthashashtra</i>	
O P Gauba	: <i>Social and Political Philosophy</i>	

DEC-1

Session: 2025-26

Part A - Introduction

Subject	Philosophy		
Semester	3 rd		
Name of the Course	Philosophical Teachings of Bhagavadgita-I		
Course Code	M24-PHI-304		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	DEC-1		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to : 304.1 understand about the basics of Bhagavad-Gita. 304.2 understand the spiritual background of Bhagavad-Gita. 304.3 answer questions regarding different ethical teachings of the Gita. 304.4 understand the different Yogic teaching of Bhagavad-Gita.		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u> The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	Bhagavad-Gita: Meaning, Origin, History and Context; Contemporary Relevance of Bhagavad-Gita.		15
II	Spiritual Background of Bhagavad-Gita: Parmatman; Atman;		15

	Prakrti; Concept of Kshetra and Kshetraja.	
III	Ethical Teachings of Bhagavad-Gita: Yajna Vichar-Sattvika, Rajasika and Tamasika; Karma, Vikarama and Akarma; Concept of Nishkama Karma; Concept of Jyanayoga, Karmayoga and Bhaktiyoga;	15
IV	Yogic Teachings of Bhagavad-Gita: Samatva Yoga Uchyate; Yogstha Kuru Karmani; Yogah Karmasu Kausalam; Sthitprajna.	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-Term Exam: 15 		70
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
Shri Aurobind : <i>Essays on Gita.</i>		
B.G. Tilak : <i>Srimadbhagvadgita Bhashya</i>		
Osho Rajneesh : <i>Gita Darshana</i>		
R.S. Garg : <i>Gita for Success in Modern Life</i>		
Vinoba Bhave : <i>Gita Pravachan</i>		

DEC-2

Session: 2025-26

Part A - Introduction

Subject	Philosophy		
Semester	3 rd		
Name of the Course	Comparative Religion-I		
Course Code	M24-PHI- 305		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	DEC-2		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to: 305.1 understand about the essential features of Hinduism. 305.2 understand the different concepts of Hinduism. 305.3 answer questions regarding the basic features of Buddhism. 305.4 understand the basic theories of Buddhism.		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u> The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	Hinduism: Essential Characteristic of Hinduism; Concept of God; Concept of Soul; Theory of World; Law of Karma.		15
II	Hinduism: Rebirth; Liberation and its Paths; Concept of Daśāvatāra.		15
III	Buddhism: Anti-metaphysical attitude of Buddha; Four		15

	Noble-Truths; Nature of Nirvana; Sīla- Samādhi- Prajñā.	
IV	Buddhism: Theory of Anātmavāda; Atheism of Buddhism; Concept of Vipassanā Meditation; Religious Sects: Hīnayāna and Mahāyāna; Difference between Hīnayāna and Mahayāna.	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-Term Exam: 15 		70
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
H.P.Sinha	: <i>Dharma Darshan ki Ruprekha.</i>	
J.Hick	: <i>An Interpretation of Religion.</i>	
Kedar Nath Tiwari	: <i>Comparative Religion.</i>	
M.Hiriyanna	: <i>Quest for Perfection.</i>	
N.K.Brahma	: <i>Philosophy of Hindu Sadhana.</i>	
Swami Vivekananda	: <i>Complete Works</i> (relevant chapters)	
V.P. Verma	: <i>Dharma Darshan ki MoolSamsayayein.</i>	
Vatsyayan	: <i>Philosophy of Religion (World Religions)</i>	
Yacub Masih	: <i>A Comparative Philosophy of Religion</i>	

DEC-2

Session: 2025-26			
Part A - Introduction			
Subject	Philosophy		
Semester	3 rd		
Name of the Course	Philosophy of Religion-I		
Course Code	M24-PHI- 306		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	DEC-2		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to: 306.1 understand the nature and definition of Religion and Philosophy of Religion. 306.2 understand the origin of Religion and God. 306.3 answer questions regarding arguments for the existence of God. 306.4 understand the nature of God.		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u> The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	Definition and Nature of Religion; Definition and Nature of Philosophy of Religion; Significance of Philosophy of Religion; Relation of Religion with Science and Philosophy.		15
II	Theories of the Origin of Religion; Origin of the Idea of God; Concept of Ísvara in Indian Philosophy.		15

III	Religious Experience and Religious Consciousness Arguments for the Existence of God: Ontological Argument; Cosmological Argument; Teleological Argument; Moral Argument.	15
IV	God and the Absolute; Atheism; Deism; Theism; Pantheism; Panentheism.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 5+5 • Mid-Term Exam: 15		End Term Examination: 70
Part C-Learning Resources		
Recommended Books/e-resources/LMS: A.Thompson : <i>A Modern Philosophy of Religion.</i> H.P.Sinha : <i>Dharma Darshan ki Ruprekha.</i> J.Hick : <i>An Interpretation of Religion.</i> M.Hiriyanna : <i>Quest for Perfection.</i> N.K.Brahma : <i>Philosophy of Hindu Sadhana.</i> N. Smart : <i>The Religious Experience of Mankind.</i> Swami Vivekananda : <i>Complete Works</i> (relevant chapters) Yacub Masih : <i>Samanya Dharam Darshan.</i>		

PC-3

Session: 2025-26			
Part A – Introduction			
Subject	Philosophy		
Semester	3 rd		
Name of the Course	Yoga –1		
Course Code	M24-PHI- 307		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	PC-3		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	After completion of the course the student will be able to understand/learn: 307.1. the basics of Ashtang Yoga, Hath Yoga, Kriya Yoga. 307.2 the basics of Yama and Niyam 307.3 the essential factors about Yogasanas. 307.4 some selected Pranayams		
	Theory	Practical	Total
Credits 4	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Maximum Marks	0	100	100
Examination Time		4 Hours	
Part B-Contents of the Course			
Unit	Topics	Contact Hours	
I	Yoga: Understanding the Basics of Ashtang Yoga, Hath Yoga and Kriya Yoga; Main Points of Difference Between Ashtang Yoga, Hatha Yoga and Kriya Yoga; Psychology of Ashtang Yoga.	30	
II	Yama (Social Discipline): Meaning, Background, Definition, Kinds and its Benefits in Social Life. Niyama (Personal Discipline): Meaning, Definition, Kinds and its Benefits in Personal Life.	30	
III	Essentials Factors about Yogic Practices: Discipline, Place, Dress, Diet, Time, Bathing, Prayerfulness; Preparatory Asana and Warm Up Exercises; Selected Asanas: Padhastasana; Konasana; Trikonasana; Vrikshasana; Uttanpadasana; Makarasana; Salbhasana; Bhujagasana;	30	

	Nokasana; Dhuanurasana; Paschimottanasana; Janusirsasana; Matsyendrasana; Shavasana.	
IV	Selected Pranayamas: Bahyavriddhi; Abhyantaravriddhi; Stambhavriddhi; Bahyabhyantara Vishyakshepi; Bhramari; Bhastrika; Nadi-Shodhan ; Anulom-Vilom.	30
Total Contact Hours		120
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
<p>➤ Practicum</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/Demonstration/Viva-voce/Lab records etc.: 5+5 =10 • Mid-Term Exam: 15 		70
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
Swami Yogeshwarananda : <i>Bhirangayoga</i>		
Kanchan Joshi : <i>Yoga Dhara</i>		
Bhartiya Yoga Sansthan : <i>Yoga Darshana (khand 1 and 2)</i>		
Bhartiya Yoga Sansthan : <i>Asana evam Yoga Vigyan</i>		
Bhartiya Yoga Sansthan : <i>Pranayama Vigyan</i>		

OEC

Session: 2025-26			
Part A – Introduction			
Subject	Philosophy		
Semester	3 rd		
Name of the Course	Philosophy of Yoga		
Course Code	M24-OEC-336		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	OEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG Degree		
Course Learning Outcomes (CLO):	After completion of the course the student will be able to learn/ understand: 336.1 understand about the yoga. 336.2 understand about the basics of ashtang yoga. 336.3 answer questions regarding Dharna and Dhyana. 336.4 understand the meaning and importance of Samadhi.		
	Theory	Practical	Total
Credits	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Maximum Marks	50	0	50
Examination Time	2 Hour		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x1) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit and one compulsory question. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	Meaning and Definition of Yoga; Kinds of Yoga;		8
II	Basics of Patanjali Ashtang Yoga; Yama, Niyama, Asana, Pranayama, Pratyahara:		7
III	Importance of Dharna; Kinds of Dharna (Bahirang and Antrang) Definition and Importance of Dhyana;		7
IV	Meaning and Importance of Samadhi; Kinds of Samadhi; Difference between Meditation and Samadhi; Beneficial effects of Meditation on body and mind.		8

	Total Contact Hours	30
Suggested Evaluation Methods		
Internal Assessment: > Theory • Class Participation: 4 • Seminar/presentation/assignment/quiz/class test etc.: 4 • Mid-Term Exam: 7		End Term Examination: 35
Part C-Learning Resources		
Recommended Books/e-resources/LMS: Swami Yogeswarananda : <i>Bhiranga Yoga</i> Swami Vivekananda : <i>Yoga Darshan</i> N.K.Singh : <i>Yoga and Meditation Psychotherapy</i> P.Mukherji : <i>Yoga Lessons for Developing Spiritual Conscience</i>		

CC-11

Session:2025-26

Part A - Introduction

Subject	Philosophy		
Semester	4 th		
Name of the Course	Contemporary Indian Philosophy-II		
Course Code	M24-PHI- 401		
Course Type: (CC/MCC/MDC/CC-M/ DSEC/VOC/DSE/PC/AEC/VAC)	CC-11		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	After completion of the course the student will be able to learn about: 401.1. Understand the basic concepts of M.K. Gandhi. 401.2 understand the basic concepts of Swami Dayanand Saraswati. 401.3 understand the basic concepts of J.Krishnamurti. 401.4 understand the basic concepts of Narayana Guru.		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	M. K. Gandhi: God is Truth and Truth is God; Non-Violence; Satyagraha; Sarvodya; Concept of Religion and Morality; Swaraj and the Ideal State.		15
II	Swami Dayanand Saraswati: Vedvada; Arsh-Anarshvada; Reconciliation of the Six Systems of Indian Philosophy, Traitavada – God, Self and Nature.		15
III	J. Krishnamurti: Analysis of Self; Freedom from the Known; Dhyana; Views on Violence; Views on Education; Views on Liberation.		15

IV	Narayana Guru: The Spiritual Freedom and Social Equality; One Caste; One Religion; One God. Thiruvalluvar: Tirukkural. Jyotiba Phule: Critical Understanding of Caste-system.	15
	Total Hours	60
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination: 70
<p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-Term Exam: 15 		
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
B.K. Lal	: <i>Contemporary Indian Philosophy</i> . (Hindi version also available).	
T.M.P. Mahadevan& C.V. Saroja	: <i>Contemporary Indian Philosophy</i> .	
V.S. Naravana	: <i>Modern Indian Thought</i> (Hindi version also available).	
Swami Dayanand Saraswati	: <i>Satyarthprakash</i>	
Swami Dayanand	: <i>Updesh Manjri</i>	
Bhikhu Parekh	: <i>Gandhi's Political Philosophy</i> .	
J. Krishnamurti	: <i>Freedom from the Known</i> .	
J. Krishnamurti	: <i>Tradition and Revolution</i> .	
M.K. Gandhi	: <i>Hind Swaraj</i> .	
Nataraja Guru	: <i>The Word of the Guru</i>	
Swami Muni Narayana Prasad	: <i>The Philosophy of Narayana Guru</i>	
नीलेश कुमारअग्रवाल, करन गोयल	: <i>तिरुक्कूरल</i>	
Archana Malik-Goure	: <i>Jyotiba Phule: A Modern Indian Philosopher</i>	
Ved Prakash Gupt	: <i>Dayanand Darshan</i>	

CC-12

Session: 2025-26			
Part A – Introduction			
Subject	Philosophy		
Semester	4 th		
Name of the Course	Contemporary Western Philosophy-II		
Course Code	M24-PHI- 402		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	CC-12		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to : 402.1 understand Husserlian Phenomenology and Heidegger’s Philosophy 402.2 explore to two philosophers Kierkegaard & Nietzsche 402.3 understand basic concepts of two prominent existential philosophers Sartre & Morleau-Ponty. 402.4 understand basic concepts of Richard Rorty & Levinas		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	Husserl: Philosophy as a Rigorous Science; Intentionality; Phenomenological Method. Heidegger: Being and beings; Authentic Existence.		15
II	Kierkegaard: Subjectivity as Truth; Leap of faith. Nietzsche: Critique of Enlightenment; Will to Power; Genealogy of Moral		15
III	Sartre: Concept of Freedom; Bad-faith; Humanism.		15

	Morleau-Ponty: Perception; Embodied Consciousness.	
IV	Richard Rorty: Critique of Representationalism; Against Epistemological method; Edifying Philosophy. Immanuel Levinas: Ethics as a First Philosophy; Philosophy of 'Other'.	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination: 70
➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-Term Exam: 15 		
Part C-Learning Resources		
Recommended Books		
Ajit Kumar Sinha	: <i>Samkalin Paschatya Darshan.</i>	
B.K.Lal	: <i>Samkalin Paschatya Darshan.</i>	
Laxmi Saxena	: <i>Samkalin Paschatya Darshan.</i>	
John Passmore	: <i>Hundred Years of Philosophy</i>	
Richard Rorty	: <i>The Lingustic Turn</i>	
Mary Warnock	: <i>Existentialism</i>	
H.J. Blackham	: <i>Six Existentialist Thinkers</i>	
David E. McClean	: <i>Richard Rorty, Liberalism and Cosmopolitanism</i>	

DEC-3

Session: 2025-26			
Part A - Introduction			
Subject	Philosophy		
Semester	4 th		
Name of the Course	Social and Political Philosophy (Western)		
Course Code	M24-PHI- 403		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	DEC-3		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	<p>After completion of the course, the student will be able to:</p> <p>403.1 understand views of Plato, Locke, Hobbes & Rousseau regarding the nature of state.</p> <p>403.2 explore the ideas of Isaiah Berlin, Bernard Williams Rawls, Nozick.</p> <p>403.3 understand basic concepts of Dworkin, Amartya Sen and Marx.</p> <p>403.4 understand the idea of Liberal State with reference to Charles Taylor, MacIntyre, Michael Sandel etc.</p>		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
<p>The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Plato: Ideal State and Justice Locke, Hobbes, Rousseau: Social Contract Theory		15
II	Isaiah Berlin: Two Conceptions of Liberty Bernard Williams: Idea of Equality Rawls: Political Liberalism.		15

	Nozick: Distributive Justice.	
III	Dworkin: Justice as Equality. Amartya Sen: Freedom and Capability. Marxism: Dialectical Materialism; Alienation.	15
IV	Charles Taylor, MacIntyre, Michael Sandel: Communitarian Critique of Liberal Self. Charles Taylor: Multiculturalism. Will Kymlicka: Conception of Minority Rights.	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-Term Exam: 15 		70
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
OP Gauba	: <i>Social and Political Philosophy</i>	
Jonathan Wolff	: <i>An Introduction to Political Philosophy</i>	
Machiavelli	: <i>The Prince</i>	
Ramender	: <i>Samaj aur Rajniti Darshan</i>	

DEC-3

Session: 2025-26

Part A - Introduction

Session: 2025-26			
Part A - Introduction			
Subject	Philosophy		
Semester	4 th		
Name of the Course	Philosophical Teachings of Bhagavadgita -II		
Course Code	M24-PHI- 404		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	DEC-3		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	<p>After completion of the course, the student will be able to:</p> <p>404.1. understand the basic Background of Bhagavad-Gita.</p> <p>404.2 understand the basic concepts of Sociological Background of Bhagavad-Gita.</p> <p>404.3 understand the basic concepts of Psychological Teachings of Bhagavad-Gita.</p> <p>404.4 understand the basic concepts of Political and Educational Teachings of Bhagavad-Gita.</p>		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
<p>The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Philosophical Background of Bhagavad-Gita: Kshara, Akshara and Purushottam; Concept of Atman; Concept of Trigunatmaka Prakriti; Concept of Mokhsa.		15
II	Sociological Background of Bhagavad-Gita: Concept of Varna; Concept of Karma – Sattvik, Rajasika and Tamasika;		15

	Concept of Universal Dharma; Daivi Sampad and Asuri Sampad; Concept of Svadharma.	
III	Psychological Teachings of Bhagavad-Gita: Contemporary Man, Mental Diseases and Bhagavad-Gita; Yuddha Dharma and Bhagavad-Gita; Atankvada and Bhagavad-Gita; Sri Krishna – The First Psychologist of Known History.	15
IV	Political and Educational Teachings of Bhagavad-Gita: Concept of Rajarshi and Comparison with Plato's Concept of Philosopher King. Necessity of Bhagavad-Gita in Educational Institutions; Concept of Yoga of Bhagavad-Gita for the Benefits of Students, Politicians and Security Forces.	15
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination: 70
➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-Term Exam: 15 		
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
Shri Aurobind	: <i>Essays on Gita.</i>	
B.G. Tilak	: <i>Srimadbhagvadgita Bhashya,</i>	
Osho Rajneesh	: <i>Gita Darshana</i>	
R.S. Garg	: <i>Gita for Success in Modern Life.</i>	

DEC-4

Session: 2025-26

Part A - Introduction

Subject	Philosophy		
Semester	4 th		
Name of the Course	Comparative Religion-II		
Course Code	M24-PHI-- 405		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	DEC-4		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to 405.1 understand about the basic concepts of Jainism. 405.2 understand the basics of Islam. 405.3 After studying the answers questions regarding different concepts of Christianity. 405.4 understand the essential concepts of Sikhism.		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	Jainism: Theory of Substance; Concept of Soul; Theory of Bondage and Liberation; Theism and Jainism.		15
II	Islam: Concept of God (Allah); The Cardinal Principles of Islam; Five Pillars of Islam; Ethical Teachings of Various Sects.		15
III	Christianity: Concept of God; Nature of the World; Problem of Evil and its Solution; Sermon on the Mount.		15
IV	Sikhism: Concept of God; Ataman, Jagat, Guru and		15

	Moksha.	
	Total Contact Hours	60
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-Term Exam: 15 		70
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
Suggested Books:		
A.Thompson	: <i>A Modern Philosophy of Religion.</i>	
H.P.Sinha	: <i>Dharma Darshan ki Ruprekha.</i>	
J.Hick	: <i>An Interpretation of Religion.</i>	
Kedar Nath Tiwari	: <i>Comparative Religion.</i>	
M.Hiriyanna	: <i>Quest for Perfection.</i>	
N. Smart	: <i>The Religious Experience of Mankind.</i>	
R. Otto	: <i>The Idea of the Holy.</i>	
Swami Vivekananda	: <i>Complete Works</i> (relevant chapters)	
V.P. Verma	: <i>Dharma Darshan ki MoolSamsayayein.</i>	
Vatsyayan	: <i>Philosophy of Religion (World Religions)</i>	
W.James	: <i>Varieties of Religious Experience.</i>	
Yakub Masih	: <i>A Comparative Philosophy of Religion</i>	

DEC-4

Session: 2025-26

Part A - Introduction

Subject	Philosophy		
Semester	4 th		
Name of the Course	Philosophy of Religion –II		
Course Code	M24-PHI-406		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	DEC-4		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to: 406.1 understand the basic concepts of Karma and Puruṣārthas etc. 406.2 understand the basic concepts of Religion with Special Reference to Hinduism, Sikhism, Buddhism and Christianity 406.3 understand the basic concepts of Secularism 406.4 understand the basic concepts of Mysticism		
	Theory	Practical	Total
Credits	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Maximum Marks	100	0	100
Examination Time	3 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x2) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics		Contact Hours
I	Freedom of Will; Karma and Rebirth; Puruṣārthas: Dharma, Artha, Kāma and Mokṣa; Objections against Religion.		15

II	Inter-Religious Dialogue and The Possibility of Universal Religion with Special Reference to Hinduism, Sikhism, Buddhism and Christianity; Problem of Religious Language: Cognitive, Non-Cognitive and Semi-Cognitive Theories.	15
III	Secularism; Religious Tolerance; Religion and Scientific Outlook; Religion and Reason; Religion and Terrorism.	15
IV	Mysticism; God, Man and the World; Brahman, Isvara, Jiva and Jagat.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-Term Exam: 15 		70
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
H.P.Sinha	: <i>Dharma Darshan ki Ruprekha.</i>	
J.Hick	: <i>An Interpretation of Religion.</i>	
N.K.Brahma	: <i>Philosophy of Hindu Sadhana.</i>	
N. Smart	: <i>The Religious Experience of Mankind.</i>	
R.Otto	: <i>The Idea of the Holy.</i>	
Swami Vivekananda	: <i>Complete Works</i> (relevant chapters)	
W.James	: <i>Varieties of Religious Experience.</i>	
Yacub Masih	: <i>Samanya Dharam Darshan.</i>	
V.P.Verma	: <i>Dharma Darshan ki mool Samsyaen</i>	

PC-4

Session: 2025-26

Part A - Introduction			
Subject	Philosophy		
Semester	4 th		
Name of the Course	Yoga –II		
Course Code	M24-PHI- 407		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	PC-4		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to understand/ learn: 407.1 the different types of Pratyahara. 407.2 the different types of Dharnas. 407.3 the different types of Mudras. 407.4 the different types of Dhyana.		
	Theory	Practical	Total
Credits	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Maximum Marks	0	100	100
Examination Time		4 Hours	
Part B-Contents of the Course			
Unit	Topics	Contact Hours	
I	Pratyahara: Indriya Pratyahara, Prana Pratyahara, Karma Pratyahara, Mano Pratyahara.	30	
II	Dharna: Jyoti Dharna; Murti Dharna; Bindu Dharna; Tara Dharna.	30	
III	Mudras: Five Types of Hasth Mudras; Shambhvi Mudra; Yog Mudra.	30	
IV	Dhyana: Omkar Dhyan; Nad Dhyan; Vipassana Dhyan; Chitta Shakti Dhyan; Isha Kriya Dhyan.	30	
	Total Contact Hours	120	
Suggested Evaluation Methods			
Internal Assessment:			End Term Examination:

<p>➤ Practicum</p> <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.:5+5 • Mid-Term Exam: 15 	70
--	-----------

Part C-Learning Resources

Recommended Books/e-resources/LMS:

Osho	: <i>Yog Darshan (Vol. 1-4)</i>
Gorkshanath	: <i>GorakshaPadhti</i>
Gita Press	: <i>Yog Visheshank</i>
Bhartiye Yog Sasthan	: <i>Asana evim Yog Vigyan</i>
Acharya Shilak Ram	: <i>Sanatan Bhartiya Yogsadhana Evam Unki Vividh DhyanVidhiyan</i>
Dr. DevvartaAchaarya	: <i>Asana Pranayama</i>
Bihar school of yoga	: <i>Kundalini yoga, mudra Bandha</i>
Bihar school of yoga	: <i>Rog Aur Yog, Mudra Bandha.</i>
Ranjit Sen Gupta	: <i>Pranayama</i>

EEC

Session: 2025-26			
Part A - Introduction			
Subject	Philosophy		
Semester	4 th		
Name of the Course	Philosophical Research Methodology		
Course Code	M24-PHI- 408		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	EEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):	After completion of the course, the student will be able to: 408.1 understanding the Concept of Research. 408.2 become aware of doing Literature Review and its types 408.3 understanding Research Problem; Importance of Literature Review in defining a Research Problem. 408.4 get expertise in the Methods of doing Philosophy.		
	Theory	Practical	Total
Credits	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Maximum Marks	50	0	50
Examination Time	2 Hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
The paper-setter is requested to set Nine questions in all i.e., One Compulsory Objective Type Question (07x1) without any choice, equitably distributed over the whole syllabi and Two Questions from Each Unit equitably spread over the concerned unit. The examinees will have to attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.			
Unit	Topics	Contact Hours	
I	Meaning and Objectives of Research; Types of Research; Descriptive vs Analytical; Applied vs Fundamental; Conceptual vs Empirical.	7	
II	Defining and Formulating a Research Problem; Importance of Literature Review in defining a Research Problem.	8	
III	Procedure to Prepare the Following: Seminar Paper;	7	

	Synopsis; Reference and Bibliography according to MLA and APA style.	
IV	Method of doing Philosophy: Socratic Method; Dialectical Method; Analytical Method; Phenomological Method.	8
	Total Contact Hours	30
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination: 35
➤ Theory		
	<ul style="list-style-type: none"> • Class Participation: 4 • Seminar/presentation/assignment/quiz/class test etc.:4 • Mid-Term Exam: 7 	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
Creel, Richard	: <i>Thinking Philosophically</i>	
T.H. Titus	: <i>Living Issues in Philosophy</i>	
Ahuja, Ram	: <i>Research Methods</i> (Hindi & English).	
Chawla Deepak and Neena Sondhi	: <i>Research Methodology- Concepts and Cases.</i>	

Dissertation /Project Work

Session: 2025-26			
Part A - Introduction			
Subject	Philosophy		
Semester	4 th		
Name of the Course	Dissertation /Project Work		
Course Code	M24-PHI- 409		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)			
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)	4 Year UG degree		
Course Learning Outcomes (CLO):			
	Theory	Practical	Total
Credits	12	0	12
Teaching Hours per week			
Internal Assessment Marks			
End Term Exam Marks			
Maximum Marks	300		300
Examination Time			
Part B-Contents of the Course			
Suggested Evaluation Methods:- As per university norms			
Internal Assessment: > Theory <ul style="list-style-type: none"> • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: 		End Term Examination:	
Part C-Learning Resources			

Syllabus for the Subject of Human Rights as per NEP -2020, Semester-V

CC-4			
Session 2025-2026			
Part-A Introduction			
Subject	Human Rights		
Semester	V		
Name of the Course	Environment and Human Rights and Duties-I		
Course Code	B23-HRT-501		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-5		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand Human Rights and Peace: Values as Rights Precondition for Peace and Component of Peace. 2. Understand Democracy and Human Rights: Democracy as a Condition for Economic and Social Rights 3. Globalization, Regionalism and Nationalism: opportunities and Threats. 4. Understand Rights of Indigenous People and the Challenges to Human Rights. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks:	100	Time: 3 Hours	
Internal Assessment Marks:	30		
End Term Exam Marks:	70		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 1. Total NINE Questions will be set and students will be required to attempt FIVE questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks each spread over the entire syllabus. 3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt ONE question from each unit in addition to the compulsory question. 4. Each question will carry 14 marks. 			


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Unit	Topics	Contact Hours
I	New Human Rights Dimensions: Obstacles and Threats to Human Rights, Environment Threats to India: Forest Denudation; and Pollution of Rivers. Globalization, Regionalism and Nationalism: opportunities and Threats.	15
II	Human Rights and Peace: Values as Rights Precondition for Peace and Component of Peace, Right to Development: Adoption of the Declaration on the Right to Development and Removal of Obstacles to Development, Hazardous Waste and Human Rights.	15
III	Growth of Human Rights Protection and Environmental Protection, Discrimination: Xenophobia and Racism, International Convention on the Elimination of All Forms of Racial Discrimination, Terrorism and Human Rights.	15
IV	United Nation Approaches to Scientific and Technological Development: Scope, Objectives and Problems, Rights of Indigenous People and the Challenges to Human Rights, Non-Governmental Solutions, Pollution Control Mechanisms for Human Rights.	15
Suggested Evaluation Methods		
Internal Assessment: 30 Marks Class Participation 05 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		End Term Examination: 70 Marks


 Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part-C Learning Resources

Recommended Books:

1. P. Chandrasekhar Rao, "Charter of Economic Rights and Duties of States", I. J. I. L., Vol. 15 (1975).
2. Donal Pharand, "Historic Waters in International Law with Special Reference to the Article", University of Toronto.
3. J. G. Starke, "Introduction to International Law", 10th Edition, Butterworths Singapore, 1999.
4. Stephen S. Godspeed, "The Nature and Functions of International Organisation", The Growth of World Law, (1985)
5. L. M. Goodrich, "The Maintenance of International Peace and Security", International Organisation" (1988)
6. W. Friedmann, "International Law and Social Organisation on International Law", A. J. I. L., Vol. 62 (1992)
7. N. Sanjaoba, "International Human Rights", Published by: Manas Publications, 4858, Prahlad Street, 24, Ansari Road, Darya Ganj, New Delhi-110002.
8. Delvin, "Law, Democracy and Morality" (1962) 11o U Pa Law Rev.
9. R. S. Pathak, "The Role and means of Codification and Progressive Development of International Law", I.J.I.L. Vol. 17 (1977).
10. Ian Brownlie, Principles of Public International Law, Second Edition (Clarendon Press, Oxford, (1973).



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Syllabus for the Subject of Human Rights as per NEP -2020, Semester-VI

CC-4			
Session 2025-2026			
Part-A Introduction			
Subject	Human Rights		
Semester	VI		
Name of the Course	Environment and Human Rights and Duties-II		
Course Code	B23-HRT-601		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-6		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand Human Rights and Peace: Indiscriminate Industrial Explosion. 2. Understand Right to Development: Adoption of the Declaration on the Right to Development. 3. Growth of Human Rights Protection and Environmental Protection. 4. Understand Right to Clean Environment and Public Safety. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3 per week	1 per week	4 per week
Max. Marks:	100	Time: 3 Hours	
Internal Assessment Marks:	30		
End Term Exam Marks:	70		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 1. Total NINE Questions will be set and students will be required to attempt FIVE questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks each spread over the entire syllabus. 3. The remaining EIGHT questions will be set taking TWO questions from each of the four units. The candidate would be required to attempt ONE question from each unit in addition to the compulsory question. 4. Each question will carry 14 marks. 			



Chairperson
Deptt. of Political Science
K.U. Kurukshetra-136119

Unit	Topics	Contact Hours
I	Basic Concept of Environment and Human Rights, New Challenges of Science and Technology, Biotechnology and Human Rights and Challenges of New Technology. Indiscriminate Industrial Explosion; Depletion of Rare Species; and Bio-Diversity	15
II	New Dimensions and Human Rights, Democracy and Human Rights, Democracy as a Condition for Economic and Social Rights Cultural Rights and Democracy, Judicial Contribution in Creation of New Human Rights.	15
III	Human Rights and Extreme Poverty, Poverty as Crime, Human Rights and Tolerance: Notion of Tolerance and Religious Tolerance.	15
IV	Globalization and Human Rights: Competitiveness, Decline of Labour Unions and Workers' Rights and Globalization, Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention and Rehabilitation.	15
Suggested Evaluation Methods		
Internal Assessment: 30 Marks Class Participation 05 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		End Term Examination: 70 Marks



Chairperson
 Deptt. of Political Science
 K.U. Kurukshetra-136119

Part-C Learning Resources

Recommended Books:

1. W. Friedmann, "International Law and Social Organisation on International Law", A. J. I. L., Vol. 62 (1992)
2. N. Sanajaoba, "International Human Rights", Published by: Manas Publications, 4858, Prahlad Street, 24, Ansari Road, Darya Ganj, New Delhi-110002.
3. Delvin, "Law, Democracy and Morality" (1962) 11o U Pa Law Rev.
4. R. S. Pathak, "The Role and means of Codification and Progressive Development of International Law", I.J.I.L. Vol. 17 (1977).
5. Ian Brownlie, Principles of Public International Law, Second Edition (Clarendon Press, Oxford, 1973).
6. P. Chandrasekhar Rao, "Charter of Economic Rights and Duties of States", I. J. I. L., Vol. 15 (1975).
7. DonalPharand, "Historic Waters in International Law with Special Reference to the Article", University of Toronto.
8. J. G. Starke, "Introduction to International Law", 10th Edition, Butterworths Singapore, 1999.
9. Stephen S. Godspeed, "The Nature and Functions of International Organisation", The Growth of World Law, (1985)
10. L. M. Goodrich, "The Maintenance of International Peace and Security", International Organisation" (1988)



Chairperson
Dept. of Political Science
K.U. Kurukshetra-136119

KURUKSHETRA UNIVERSITY, KURUKSHETRA
Scheme of Examination for Undergraduate Programme (Interdisciplinary)
Bachelor of Commerce (Professional) - Scheme- D
as per NEP-2020 Curriculum Framework

(Multiple Entry-Exit, Internships and CBCS-LOCF) w.e.f. the session 2025-2026 (in phased manner)

Semester	Course Type	Course Code	Nomenclature of Course	Credits				Contact Hours L: Lecture T: Tutorial P: Practical				Internal Assessment Marks		End Term Examinations Marks		Total Marks
				Total	Theory (T)	Tutorial (T)	Practical (P)	L	T	P	Total	T	P	T	P	
FIRST YEAR SCHEME																
I	CC-1	BP25-COM-101	Financial Accounting	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-2	BP25-COM-102	Business Laws	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-3	BP25-COM-103	Business Finance	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-M1	BP25-COM-104	Business Economics	2	1	–	1	1	–	2	3	10	5	20	15	50
	MDC-1	To be taken from the other Department														
	AEC-1	Select one course from the pool of Ability Enhancement Courses (AEC)														
	SEC-1	Select one course from the pool of Skill Enhancement Courses (SEC)														
	VAC-1	Select one course from the pool of Value Added Courses (VAC)														

II	CC-4	BP25-COM-201	Fundamentals of Corporate Accounting	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-5	BP25-COM-202	Company Law	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-6	BP25-COM-203	Principles of Marketing	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-M2	BP25-COM-204	Money and Banking	2	1	–	1	1	–	2	3	10	5	20	15	50
	MDC-2	To be taken from the other Department														
AEC-2	Select one course from the pool of Ability Enhancement Courses (AEC)															
SEC-2	Select one course from the pool of Skill Enhancement Courses (SEC)															
VAC-2	Select one course from the pool of Value Added Courses (VAC)															
Project/Internship of 4 credits of 4-6 weeks duration after 2nd semester																
SECOND YEAR SCHEME																
III	CC-7	BP25-COM-301	Advanced Corporate Accounting	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-8	BP25-COM-302	Income Tax Law & Practice	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-9	BP25-COM-303	Business Statistics	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-M3	BP25-COM-304	Financial Services	4	2	–	2	2	–	4	6	15	15	35	35	100
	MDC-3	To be taken from the other Department														
AEC-3	Select one course from the pool of Ability Enhancement Courses (AEC)															
SEC-3	Select one course from the pool of Skill Enhancement Courses (SEC)															

IV	CC-10	BP25-COM-401	Management Accounting	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-11	BP25-COM-402	Goods & Services Tax Law & Practice	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-12	BP25-COM-403	Auditing	4	2	–	2	2	–	4	6	15	15	35	35	100
	CC-M4(V)	B23-VOC-227	To be taken from Pool													
	AEC-4	Select one course from the pool of Ability Enhancement Courses (AEC)														
	VAC-3	Select one course from the pool of Value Added Courses (VAC)														
THIRD YEAR SCHEME																
V		BP25-COM-501	Apprenticeship	20		600		125+125 =250		250		500				
VI		BP25-COM-601	Apprenticeship	20		600		125+125 =250		250		500				

Session 2025-2026			
Part-A Introduction			
Subject	Commerce		
Semester	I		
Name of the Course	Financial Accounting		
Course Code	BP25-COM-101		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the fundamental principles, objectives, and regulatory framework of financial accounting. 2. Record and classify business transactions using journal entries, ledgers, and prepare a trial balance. 3. Prepare final accounts of a sole proprietor including necessary year-end adjustments. 4. Apply appropriate accounting methods for branch transactions and hire purchase/instalment systems. <p>5*. Demonstrate practical accounting skills by applying theoretical concepts to real-life scenarios.</p>		
Credits	Theory	Practical	Total
	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Introduction to Financial Accounting: Meaning, objectives, and functions of accounting; Users of accounting information; Accounting concepts and conventions; Accounting principles; A brief overview of Accounting standards in India; Introduction to International Financial reporting standards.	8	
II	Journal, Ledger, and Trial Balance: Double-entry system of accounting; Journal entries: rules and format; Ledger posting and balancing; Subsidiary books (Cash book, Purchases, Sales,	7	

	etc.); Preparation of Trial Balance; Rectification of Errors.	
III	Final Accounts: Adjustments in final accounts; Preparation of trading account; Profit & Loss account; Balance sheet with adjustments.	7
IV	Branch accounts: Dependent branch, debtor's system, stock and debtor system; Wholesale branch, Final accounts; Hire purchase and instalment payment system: Meaning and differences; Accounting treatment under both systems.	8
V*	<ul style="list-style-type: none"> • Journalizing transactions and posting to ledger manually or in Excel • Preparation of a trial balance with rectification of errors • Preparation of Trading and Profit & Loss Account and Balance Sheet with adjustments • Solving a problem on dependent branch accounting using the debtor's system • Preparation of accounts under hire purchase or instalment system. 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 15 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. 4 Mid-Term Exams 7 ➤ Practicum 15 <ul style="list-style-type: none"> Class Participation 5 Seminars/Presentations/Assignments/Quiz/Class Test etc. 10 Mid-Term Exams NA 		End Term Exams: Theory:35 Practicum:35
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Gupta R. L. and Radhaswamy, M., Financial Accounting, Sultan Chand and Sons, New Delhi. • Hanif & Mukherjee., Financial Accounting. Tata McGraw Hill, Chennai, India. • Lal Jawahar, Seema Srivastava & Shivani Abrol, Financial Accounting Text and Problems, Himalaya Publishing House, New Delhi. • Maheswari S. N. and Maheswari S. K.: Financial Accounting, Vikas Publishing House, Noida. • Sehgal Ashok & Sehgal Deepak, Fundamentals of Financial Accounting, Taxmann, New Delhi. 		

* Applicable for courses having practical component.

Session 2025-2026			
Part-A Introduction			
Subject	Commerce		
Semester	I		
Name of the Course	Business Laws		
Course Code	BP25-COM-102		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the foundational principles and enforceability of contracts under Indian law. 2. comprehend the legal framework governing the sale and purchase of goods in India. 3. understand the legal structure, rights, and obligations in traditional and modern business partnerships 4. analyze the legal principles governing negotiable instruments. <p>5*. apply business law concepts through real-world examples, case analysis, and practical drafting exercises.</p>		
Credits	Theory	Practical	Total
	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	The Indian Contract Act,1872: Nature and classification of contracts; Essentials of a valid contract; Offer and acceptance; Consideration; Capacity of parties; Free consent; Legality of object and consideration; Discharge of contracts; Remedies for breach of contract.	8	
II	Sale of Goods Act, 1930: Definition and essentials of a contract of sale; Conditions and warranties; Transfer of ownership and delivery of goods; Rights of unpaid seller; Remedies for breach of contract.	8	

III	The Partnership Act, 1932 and Limited Liability Partnership Act, 2008: Nature of partnership; Rights and duties of partners; Types of partners; Registration and dissolution of a firm; Differences between partnership and LLP; Features and incorporation of LLPs.	7
IV	Negotiable Instruments Act, 1881: Meaning, scope and essential features of negotiable instruments; Types: Promissory notes, bills of exchange, and cheques; Negotiation and endorsement; Crossing of cheques: Meaning and types; Dishonor and discharge of negotiable instruments.	7
V*	<ul style="list-style-type: none"> • Drafting a Simple Contract based on given facts, incorporating all essential elements. • Case Study Analysis: Interpret a real or hypothetical case on breach of contract or sale of goods. • Role Play: Simulate a negotiation between buyer and seller including breach consequences. • Comparative Chart: Partnership vs LLP – Key differences in terms of liability, formation, and compliance. • Cheque Drafting and Dishonor Case: Draft a cheque and write a legal notice for dishonor under Section 138 of the Negotiable Instruments Act. 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 15 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. 4 Mid-Term Exams 7 ➤ Practicum 15 <ul style="list-style-type: none"> Class Participation 5 Seminars/Presentations/Assignments/Quiz/Class Test etc. 10 Mid-Term Exams NA 		End Term Exams: Theory:35 Practicum:35
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Aggarwal Rohini, <i>Mercantile & Commercial Laws</i>, Taxmann Allied Services (P) Ltd., New Delhi. • Bhushan, Bharat. Kapoor, N.D., Abbi, Rajni, <i>Elements of Business Law</i>, Sultan Chand & Sons Pvt. Ltd., Daryaganj, Ansari Road, New Delhi • Bulchandani, K.R., <i>Business Laws</i>, Himalaya Publishing House, New Delhi. • Datey, V.S., <i>Business and Corporate Laws</i>, Taxmann Publications, New Delhi. • Kapoor, N.D., <i>Business Law</i>, Sultan Chand & Sons, New Delhi. • Kuchhal, M.C., Kuchhal Vivek, <i>Business Legislation for Management</i>, Vikas Publishing House Pvt. Ltd., New Delhi. • Tulsian, P.C., <i>Business Laws</i>, Tata McGraw Hill, New Delhi. 		

* Applicable for courses having practical component.

Session 2025-26			
Part-A Introduction			
Subject	Commerce		
Semester	I		
Name of the Course	Business Finance		
Course Code	BP25-COM-103		
Course Type:(CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-3		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course(if any)	Nil		
Course Learning Outcomes(CLO)	<p>After completion of the course, learners will be able to:</p> <ol style="list-style-type: none"> 1. understand the fundamental concepts, and importance of finance in business operations. 2. analyze how businesses structure their capital and compute the cost of various sources of finance. 3. evaluate long-term investment decisions using various capital budgeting techniques. 4. understand the principles of effective working capital management and its impact on liquidity and profitability. <p>5*. apply theoretical finance concepts to real-world business scenarios and financial decision-making.</p>		
Credits	Theory	Practical	Total
	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End-Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Part-B Contents of the Course			
Unit	Topics		Contact Hours
I	Introduction to Business Finance: Meaning, nature, and scope of business finance; Objectives of financial management; Functions of finance manager; Types and sources of finance: long-term and short-term; Role of finance in business decision-making.		8

II	Capital Structure and Cost of Capital: Meaning and factors affecting capital structure; Optimal capital structure and its significance; Concept and computation of cost of capital;; Cost of equity, debt, preference shares; Weighted Average Cost of Capital (WACC); Capital gearing and leverage.	7
III	Capital Budgeting and Investment Decisions: Meaning and importance of capital budgeting; Techniques of capital budgeting: Payback period, Net Present Value (NPV), Internal Rate of Return (IRR), Profitability Index; Risk and uncertainty in capital budgeting.	8
IV	Working Capital Management: Meaning, types, and importance of working capital; Factors affecting working capital requirements; Estimation of working capital needs; Management of components: inventory, receivables, cash; Working capital financing sources.	7
V*	<ul style="list-style-type: none"> • Calculation of cost of capital and WACC using hypothetical data • Solving problems on capital budgeting techniques (NPV, IRR, etc.) • Preparation of a working capital estimate for a small business • Case studies on financing decisions of real companies • Group presentations on funding sources and capital raising strategies. 	60
Suggested Evaluation Methods		
Internal Assessment:		End Term Exams:
➤ Theory 15		Theory:35
Class Participation	4	Practicum:35
Seminars/Presentations/Assignments/Quiz/Class Test etc.	4	
Mid-Term Exams	7	
➤ Practicum 15		
Class Participation	5	
Seminars/Presentations/Assignments/Quiz/Class Test etc.	10	
Mid-Term Exams	NA	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Damodaran, A. Damodaran on Valuation, Security Analysis for investment and Corporate Finance (2nd ed.). Wiley India Pvt. Ltd., New Delhi. • Foster, George, Financial Statement Analysis, Pearson Education Pvt Ltd., Noida, Uttar Pradesh. • Fred Weston, Kwang S Chung, Susan E Hoag, Mergers, Restructuring and Corporate Control – Pearson Education, Noida, Uttar Pradesh. • James V. Ban Horne, Financial Management and Policy, Prentice Hall, New Delhi. • K. G., CA, & Sehrawat, N. K. Handbook on Valuation- Concept & Cases., Bharat Law House Pvt. Ltd., New Delhi. • Kulshrestha, R.S., Rathi, A.M., Business Finance, SBPD Publishing House, Agra, Uttar Pradesh. • Ravi M. Kishore, Strategic Financial Management, Taxmann Publications, New Delhi. • Sudi Sudarsanam, Value Creation from Mergers and Acquisitions, Pearson Education. Noida, Uttar Pradesh. 		

* Applicable for courses having practical component.

Session 2025-2026			
Part-A Introduction			
Subject	Commerce		
Semester	I		
Name of the Course	Business Economics		
Course Code	BP25-COM-104		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-M1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. introduce the core concepts and scope of business economics. 2. enable students to understand demand-supply dynamics and apply elasticity concepts to business decisions. 3. develop an understanding of production behaviour and cost analysis relevant to business planning. 4. examine how market structure influences pricing and helps in setting competitive business strategies. <p>5*. apply economic theories and tools to real-life business situations and decision-making scenarios.</p>		
Credits	Theory	Practical	Total
	01	01	02
Contact Hours	01	02	03
Internal Assessment Marks	10	05	15
End Term Exam Marks	20	15	35
Exam Time	3 Hrs.	3 Hrs.	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Introduction to Business Economics: Meaning, nature, and scope of business economics; Basic economic problems and the role of price mechanism; Microeconomics vs. macroeconomics.	4	
II	Demand Analysis: Law of demand and law of supply; Elasticity of demand: Price, income, and cross elasticity; Demand forecasting: Meaning and basic methods.	3	

III	Production and Cost Analysis: Law of variable proportions; Cost concepts: Fixed, variable, marginal, and average costs; Short-run and long-run cost curves.	4
IV	Market Structures and Price Determination: Overview of market structures: Perfect competition, monopoly, monopolistic competition; Pricing under different market conditions; Basic pricing strategies used by businesses.	4
V*	<ul style="list-style-type: none"> • Solving numerical problems on demand, elasticity, and cost • Case studies on pricing strategies of real companies • Simple demand forecasting exercises • Interpretation of economic data (graphs and tables) • Group discussion on current economic issues affecting business. 	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 10 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. NA Mid-Term Exams 6 ➤ Practicum 05 <ul style="list-style-type: none"> Class Participation NA Seminars/Presentations/Assignments/Quiz/Class Test etc. 5 Mid-Term Exams NA 		End Term Exams: Theory:20 Practicum:15
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Ahuja, H.L., Macro Economics, S. Chand Publications, New Delhi. • Dwivedi, D.N., Macro Economics, Tata McGraw Hill, New Delhi. • Gupta, G.S., Managerial Economics McGraw Hill Education New Delhi. • Jhinghan M.L., Advanced Economic Theory. Vrinda Publications, New Delhi. • Koutsoyiannis A., Modern Microeconomics; Macmillan New Delhi. • Paul, S., Gupta, G. and Mote, V., Managerial Economics, Tata McGraw Hill, New Delhi. 		

* Applicable for courses having practical component.

Session 2025-2026			
Part-A Introduction			
Subject	Commerce		
Semester	II		
Name of the Course	Fundamentals of Corporate Accounting		
Course Code	BP25-COM-201		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-4		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the basic concepts and processes involved in accounting for corporate entities. 2. gain knowledge of debt instruments and how companies raise and repay funds through debentures. 3. prepare financial statements of companies in accordance with statutory formats and disclosure requirements. 4. understand corporate restructuring and its accounting treatment during mergers and internal reorganizations. <p>5*. apply theoretical knowledge to prepare accurate and compliant corporate financial records.</p>		
Credits	Theory	Practical	Total
	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Part-B Contents of the Course			
<p>The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Introduction to Corporate Accounting: Meaning and features of corporate accounting; Difference between corporate and general accounting; Types of companies; Issue of shares: at par, premium, and discount; Forfeiture and re-issue of shares.	8	
II	Issue of Debentures and Redemption: Types of debentures; Issue of debentures (at par, premium, and discount); Redemption methods: lump sum, draw of lots, sinking fund; Accounting entries for issue and redemption.	7	

III	Final Accounts of Companies: Preparation of Statement of Profit & Loss; Preparation of Balance Sheet as per Schedule III; Adjustments and provisions; Managerial remuneration; Dividend declaration.	7
IV	Accounting for Amalgamation and Internal Reconstruction: Meaning and types of amalgamation; Accounting treatment as per AS-14; Purchase consideration: Methods and calculations; Internal reconstruction: Meaning and accounting entries.	8
V*	<ul style="list-style-type: none"> • Problems on issue and forfeiture of shares • Redemption of debentures • Preparation of company final accounts • Journal entries for amalgamation and internal reconstruction • Application of Schedule III formats. 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 15 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. 4 Mid-Term Exams 7 ➤ Practicum 15 <ul style="list-style-type: none"> Class Participation 5 Seminars/Presentations/Assignments/Quiz/Class Test etc. 10 Mid-Term Exams NA 		End Term Exams: Theory:35 Practicum:35
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Gupta Nirmal, Corporate Accounting, Sahitya Bhawan, Agra. • Gupta R.L.and M. Radhaswamy – Advanced accounts – Sultan Chand, New Delhi. • Maheshwari S.N. and S. K. Maheshwari, Corporate Accounting, Vikas Publishing House, New Delhi. • Mukherjee, S., & Mukherjee, Corporate Accounting. (1st Ed.): Oxford University, New Delhi. • Sehgal Ashok and Deepak Sehgal, Corporate Accounting, Taxman Publication, New Delhi. • Shukla M.C., T.S. Grewal, and S.C. Gupta, Advanced Accounts, Vol.-II., S. Chand & Co., New Delhi. • Tulsian P. C. Corporate Accounting. S Chand & Co., New Delhi. 		

* Applicable for courses having practical component.

Session 2025-2026			
Part-A Introduction			
Subject	Commerce		
Semester	II		
Name of the Course	Company Law		
Course Code	BP25-COM-202		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-5		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the legal structure, formation process, and foundational documents of a company. 2. gain knowledge of capital structure and shareholder rights in corporate governance. 3. understand the legal provisions regarding the management and decision-making processes within a company. 4. understand the procedures and legal consequences of company closure and the role of regulatory bodies. <p>5*. develop practical understanding and legal drafting skills related to company law procedures and compliance.</p>		
Credits	Theory	Practical	Total
	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Introduction to Company Law and Company Formation: Nature and characteristics of a company; Types of companies; Incorporation and promotion of a company; Memorandum of Association (MOA); Articles of Association (AOA); Doctrine of Ultra Vires, Constructive Notice, and Indoor Management.	8	
II	Share Capital and Membership: Types of share capital; Issue, allotment, and forfeiture of shares; Transfer and transmission of	7	

	shares; Rights and duties of shareholders; Membership: Modes of acquiring and termination; Role of Depositories (NSDL, CDSL).	
III	Company Management and Meetings: Directors: Appointment, qualifications, duties, and liabilities; Board of Directors and its powers; Key Managerial Personnel (KMP): CEO, CFO, CS; Types of meetings: Board, General, and Statutory; Resolutions: Ordinary and Special; Notice, quorum, and minutes.	8
IV	Winding Up and Regulatory Framework: Modes of winding up: Compulsory, Voluntary, and Tribunal; Liquidator: Powers and duties; Role of National Company Law Tribunal and National Company Law Appellate Tribunal; Overview of Company Law under Companies Act, 2013; Penalties and offences under Company Law.	7
V*	<ul style="list-style-type: none"> • Drafting MOA and AOA • Mock board and general meetings • Analyzing landmark company law cases • Filing forms and documents • Compliance checklist for private/public companies. 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 15 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. 4 Mid-Term Exams 7 ➤ Practicum 15 <ul style="list-style-type: none"> Class Participation 5 Seminars/Presentations/Assignments/Quiz/Class Test etc. 10 Mid-Term Exams NA 		End Term Exams: Theory:35 Practicum:35
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Bhushan, Bharat. Kapoor, N.D., Abbi, Rajni, Elements of Company Law. Sultan Chand & Sons Pvt. Ltd., New Delhi. • Kapoor N.D., Elements of Company Law, Sultan Chand & Sons, New Delhi. • Majumdar, A.K. and Kapoor, G.K., Company Law, Taxmann Publications, Karol Bagh, New Delhi. • Ramaiya A., Guide to the Companies Act, Wadhwa & Co, Nagpur. • Ratan Nolakha, Company Law and Practice, Vikas Publications, New Delhi. 		

* Applicable for courses having practical component.

Session 2025-2026			
Part-A Introduction			
Subject	Commerce		
Semester	II		
Name of the Course	Principles of Marketing		
Course Code	BP25-COM-203		
Course Type:(CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-6		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course(if any)	Nil		
Course Learning Outcomes(CLO)	<p>After completion of the course, learners will be able to:</p> <ol style="list-style-type: none"> 1. understand the foundational concepts, functions, and evolving role of marketing in business. 2. explore consumer behavior and learn how businesses segment and target markets effectively. 3. understand key decisions related to products and pricing in the marketing mix. 4. study the methods used to distribute products and promote them to target customers. <p>5*. apply marketing principles through real-world exercises and develop practical decision-making skills.</p>		
Credits	Theory	Practical	Total
	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End-Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Part-B Contents of the Course			
Unit	Topics		Contact Hours
I	Introduction to Marketing: Meaning, nature, scope, and importance of marketing; Core concepts of marketing: needs, wants, demand, value, satisfaction; Traditional vs. modern marketing; Functions of marketing; Marketing environment: Micro and macro factors.		8

II	Consumer Behavior and Market Segmentation: Meaning and importance of consumer behavior; Factors influencing consumer buying decisions; Buyer decision-making process; Market segmentation: Meaning, bases, and benefits; Targeting and positioning strategies (STP model).	7
III	Marketing Mix – Product and Price: Product: Classification, product life cycle, new product development; Branding, packaging, and labeling; Pricing: Objectives, factors influencing pricing, pricing strategies; Product and pricing decisions in competitive markets.	7
IV	Marketing Mix – Place and Promotion: Channels of distribution: Types and functions; Factors affecting channel choice; Logistics and supply chain basics; Promotion: Objectives, tools (advertising, personal selling, sales promotion, public relations); Digital and social media marketing – overview.	8
V*	<ul style="list-style-type: none"> • Case studies on product launch and branding strategies • Preparation of a marketing mix for a sample product • Conducting a simple market survey or consumer behaviour analysis • Designing promotional material (e.g., poster, social media ad) • Role-play or group discussion on marketing strategies. 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 15 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. 4 Mid-Term Exams 7 ➤ Practicum 15 <ul style="list-style-type: none"> Class Participation 5 Seminars/Presentations/Assignments/Quiz/Class Test etc. 10 Mid-Term Exams NA 		End Term Exams: Theory:35 Practicum:35
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Grewal, Dhruv and Michael Levy; Marketing; Tata McGraw Hill., Noida, Uttar Pradesh. • Kumar Arun & Meenakshi N., Marketing Management, Vikas Publishing House Pvt. Ltd., New Delhi. Third Edition • Michael, J. Etzel, Bruce J. Walker, William J Stanton and Ajay Pandit, Marketing: Concepts and Cases. (Special Indian Edition)., McGraw Hill Education, Noida, Uttar Pradesh. • Philip Kotler, Principles of Marketing. Pearson Education, Noida, Uttar Pradesh. • Ramaswami, V.S. and Namakumari, S.; Marketing Management; MacMillan India Ltd., New Delhi. • Saxena Rajan, Marketing Management, Tata McGraw-Hill Publishing Company Ltd., New Delhi. 		

* Applicable for courses having practical component.

Session 2025-26			
Part-A Introduction			
Subject	Commerce		
Semester	II		
Name of the Course	Money and Banking		
Course Code	BP25-COM-204		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-M2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the origin, forms, and critical role of money in economic activities. 2. understand the structure and operations of the banking system and its role in credit creation. 3. examine the role of central banking in regulating the economy through monetary policy. 4. analyze the structure and significance of the money market and its instruments in short-term finance. <p>5*. apply theoretical knowledge to real-world financial data and banking practices.</p>		
	Theory	Practical	Total
Credits	01	01	02
Contact Hours	01	02	03
Internal Assessment Marks	10	05	15
End Term Exam Marks	20	15	35
Exam Time	3 Hrs.	3 Hrs.	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Nature and Functions of Money: Meaning and evolution of money; Functions of money: Primary, secondary, and contingent; Types of money: Commodity, fiat, and digital money; Role of money in a modern economy.		4

II	Banking System and Credit Creation: Meaning and types of banks: Commercial, cooperative, development banks; Functions of commercial banks: Primary and secondary; Credit creation process; Relationship between banker and customer.	4
III	Central Banking and Monetary Policy: Functions of RBI; Instruments of monetary policy: CRR, SLR, repo rate, bank rate, open market operations; Objectives of monetary policy; Inflation targeting and role of RBI	4
IV	Money Market: Concept and features of the money market; Difference between money market and capital market; Instruments of money market: Treasury bills, commercial papers, certificates of deposit, call money; Role of money market in liquidity management	3
V*	<ul style="list-style-type: none"> • Case studies on banking operations and credit creation • Analysis of recent monetary policy announcements • Identification of money market instruments and their features • Interpretation of financial data: Repo rate trends, inflation reports, etc. 	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 10 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. NA Mid-Term Exams 6 ➤ Practicum 05 <ul style="list-style-type: none"> Class Participation NA Seminars/Presentations/Assignments/Quiz/Class Test etc. 5 Mid-Term Exams NA 		End Term Exams: Theory:20 Practicum:15
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Bhole, L.M. and J. Mahukud, Financial Institutions and Markets, Tata McGraw Hill, Noida Uttar Pradesh. • Gupta, Janak Raj, Public Economics in India Theory and Practice, Atlantic. • Hajela, P. N., Money and Banking Theory with Indian Banking, Ane Books Pvt. Ltd., Darya Ganj, New Delhi, India. • Jadhav,N., Monetary Policy, Financial Stability and Central Banking in India. Macmillan , New Delhi. • Khan, M.Y., Indian Financial System, Tata McGraw Hill, Noida Uttar Pradesh. • Mishkin, F.S. and S. G. Eakins, Financial Markets and Institutions, Pearson Education, New Delhi. 		

* Applicable for courses having practical component.

Session 2025-2026			
Part-A Introduction			
Subject	Commerce		
Semester	III		
Name of the Course	Advanced Corporate Accounting		
Course Code	BP25-COM-301		
Course Type: (CC/MCC/MDC/ CCM/ SEC/VOC/DSE/PC/AEC/ VAC)	CC-7		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the consolidation process and prepare financial statements for group companies. 2. gain proficiency in valuing corporate assets for business analysis and restructuring. 3. understand the accounting treatment during the closure of a company under legal provisions. 4. explore current trends and regulations shaping corporate financial reporting and transparency. <p>5*. develop practical skills in advanced corporate reporting, analysis, and valuation.</p>		
Credits	Theory	Practical	Total
Contact Hours	02	02	04
Internal Assessment Marks	02	04	06
End Term Exam Marks	15	15	30
Exam Time	35	35	70
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Holding Companies and Consolidated Financial Statements: Concept of holding and subsidiary companies; Principles of consolidation; Preparation of consolidated balance sheet; Minority interest and cost of control; Intercompany transactions and unrealized profits.	8	
II	Valuation of Shares and Goodwill: Methods of valuation of shares: Net assets, yield, fair value; Goodwill valuation methods: Average profits, super profits, capitalization; Factors affecting valuation; Relevance in mergers and acquisitions.	7	

III	Accounting for Liquidation of Companies: Modes and procedures of winding up; Preparation of Liquidator's Final Statement of Account; Preferential payments and surplus capital; Calculation of deficiency account.	7
IV	Corporate Reporting and Emerging Issues: Corporate social responsibility accounting; Segment reporting; Corporate governance disclosures; XBRL – basics and importance in reporting.	8
V*	<ul style="list-style-type: none"> • Consolidation of balance sheets (parent and subsidiary) • Valuation exercises (shares and goodwill) • Preparation of liquidation accounts • Comparative analysis using annual reports. • Presentation of financial data using tools like Excel. 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 15 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. 4 Mid-Term Exams 7 ➤ Practicum 15 <ul style="list-style-type: none"> Class Participation 5 Seminars/Presentations/Assignments/Quiz/Class Test etc. 10 Mid-Term Exams NA 		End Term Exams: Theory:35 Practicum:35
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Gupta, Nirmal, Corporate Accounting, Sahitya Bhawan, Agra. • Jain, S.P. and K.L. Narang Corporate Accounting, Kalyani Publishers, New Delhi. • Maheshwari S.N. and S. K. Maheshwari, Corporate Accounting, Vikas Publishing House, New Delhi. • Mukherjee, S., & Mukherjee, A., Corporate Accounting. (1st Ed.), Oxford University, New Delhi. • Sehgal Ashok and Deepak Sehgal, Corporate Accounting, Taxman Publication, New Delhi. • Shukla M.C., T.S. Grewal, and S.C. Gupta, Advanced Accounts, Vol.-II., S. Chand & Co., New Delhi. 		

* Applicable for courses having practical component.

Session 2025-2026			
Part-A Introduction			
Subject	Commerce		
Semester	III		
Name of the Course	Income Tax Law & Practice		
Course Code	BP25-COM-302		
Course Type: (CC/MCC/MDC/CCM/SEC/VOC/DSE/PC/AEC/ VAC)	CC-8		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. provide foundational knowledge of income tax law and determine how income is taxed based on residential status. 2. develop the ability to compute taxable income under the heads Salary and House Property. 3. understand the rules for computing business/profession income and capital gains and apply relevant exemptions. 4. compute gross total income and determine net tax liability after deductions and adjustments. <p>5*. apply tax laws in practical scenarios through computation and return filing exercises.</p>		
	Theory	Practical	Total
Credits	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Basic Concepts of Income Tax: Introduction to Income Tax Act, 1961; Important definitions: Assesse, Person, Income, Assessment Year, Previous Year; Agricultural income – Meaning and tax treatment; Basis of charge and exempted incomes (overview); Residential status and incidence of tax (Individuals).		8

II	Income from Salary and House Property: Components of salary: Basic salary, allowances, perquisites, and retirement benefits; Deductions from salary income (standard deduction, professional tax); House property income: Self-occupied and let-out; Computation of annual value and deductions under Section 24; Computation of taxable income from salary and house property.	7
III	Profits and Gains from Business or Profession & Capital Gains: Meaning and computation of business/profession income; Allowable and disallowable expenses; Depreciation under the Income Tax Act; Meaning and types of capital assets; Computation of short-term and long-term capital gains; Exemptions under capital gains (Sections 54, 54EC, 54F).	7
IV	Income from other Sources, Deductions & Total Income: Income from other sources: Interest, dividends, winnings from lotteries, gifts; Clubbing of income and aggregation; Set-off and carry forward of losses; Deductions under Chapter VI-A (Sections 80C, 80D, 80G, etc.); Computation of gross total income and total taxable income.	8
V*	<ul style="list-style-type: none"> • Preparation of salary and house property income statements • Complete computation of taxable income for an individual • Mock filing of Income Tax Return (manual and online – ITR-1) • Practical exercises using Form 16 and Form 26AS • Use of income tax calculators and official portal (www.incometax.gov.in). 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 15 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. 4 Mid-Term Exams 7 ➤ Practicum 15 <ul style="list-style-type: none"> Class Participation 5 Seminars/Presentations/Assignments/Quiz/Class Test etc. 10 Mid-Term Exams NA 		End Term Exams: Theory:35 Practicum:35
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Girish Ahuja and Ravi Gupta, Systematic Approach to Income Tax, C.C.H. India Publications, New Delhi. • Mehrotra H.C., Income Tax Law & Account, Sahitya Bhawan Publications, Agra. • Prasad, Bhagwati, Income Tax Law & Practice, Wishwan Prakashan, Bhopal. • Singhanian V.K., Student's Guide to Income Tax, Taxmann Publications Pvt. Ltd., New Delhi. 		
Journals: <ul style="list-style-type: none"> • <i>Income tax reports</i>. Company Law Institute Pvt. Ltd., Chennai. • <i>Taxman</i>. Taxman allied Services Pvt. Ltd., New Delhi. 		

* Applicable for courses having practical component.

Session 2025-26			
Part-A Introduction			
Subject	Commerce		
Semester	III		
Name of the Course	Business Statistics		
Course Code	BP25-COM-303		
Course Type:(CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-9		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course(if any)	Nil		
Course Learning Outcomes(CLO)	<p>After completion of the course, learners will be able to:</p> <ol style="list-style-type: none"> 1. Understand the nature, scope, and presentation of statistical data for business analysis. 2. Apply measures of central tendency and dispersion to summarize and interpret business data. 3. Analyze relationships between business variables using correlation and regression techniques. 4. Interpret business trends using time series analysis and index numbers for informed decision-making. 5*. Apply statistical tools in practical scenarios for analyzing and presenting business data effectively. 		
Credits	Theory	Practical	Total
	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End-Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Part-B Contents of the Course			
Unit	Topics	Contact Hours	
I	Introduction to Statistics and Data Presentation: Meaning, scope, and importance of statistics in business; Types of data: Primary and secondary; Classification and tabulation of data; Frequency distribution; Diagrammatic and graphical representation: Bar diagram, pie chart, histogram, ogive.	8	

II	Measures of Central Tendency and Dispersion: Mean, median, and mode (including grouped data); Geometric mean and harmonic mean (conceptual and applications); Measures of dispersion: Range, quartile deviation, mean deviation, standard deviation, coefficient of variation.	7
III	Correlation and Regression Analysis: Meaning and types of correlation; Karl Pearson's coefficient of correlation; Spearman's rank correlation; Simple linear regression: Regression equations and interpretation; Difference between correlation and regression.	8
IV	Time Series and Index Numbers: Components of time series: Trend, seasonal, cyclical, irregular; Methods of measuring trend: Moving averages and least squares method; Meaning and uses of index numbers; Types of index numbers: Price index, quantity index; Consumer Price Index (CPI) and Wholesale Price Index (WPI); Problems and limitations of index numbers	8
V*	<ul style="list-style-type: none"> • Preparation of a frequency table and diagrammatic representation using real or hypothetical data • Calculation of mean, median, mode, and standard deviation using Excel or manually • Correlation and regression analysis using business data • Construction of index numbers (e.g., CPI) and time series trend analysis • Mini project: Statistical analysis of a business-related issue using collected data. 	60

Suggested Evaluation Methods

Internal Assessment:		End Term Exams:
➤ Theory 15		
Class Participation	4	
Seminars/Presentations/Assignments/Quiz/Class Test etc.	4	
Mid-Term Exams	7	
➤ Practicum 15		
Class Participation	5	
Seminars/Presentations/Assignments/Quiz/Class Test etc.	10	
Mid-Term Exams	NA	
		Theory:35 Practicum:35

Part-C Learning Resources

<p>Recommended Books/E-Resources/LMS:</p> <ul style="list-style-type: none"> • Gupta S.P., Business Statistics, Sultan Chand Publications, New Delhi. • Hooda, R.P., Introduction to Statistics, Macmillan, New Delhi. • Lewin and Rubin, Statistics for Management, Prentice-Hall of India, New Delhi. • Sancheti, D.C. and Kapoor, V.K., Statistics (Theory, Methods & Application), Sultan Chand & Sons, Delhi. • Hooda, R.P., Statistics for Business & Economics, Vikas Publications, New Delhi. • Hoel & J Assen, Basic Statistics for Business and Economics; John Wiley and Sons, New York. • Gupta, S.C. and Gupta Indira, Business Statistics; Himalaya Publishing House, New Delhi.
--

* Applicable for courses having practical component.

Session 2025-2026			
Part-A Introduction			
Subject	Commerce		
Semester	III		
Name of the Course	Financial Services		
Course Code	BP25-COM-304		
Course Type:(CC/MCC/MDC/ CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M3		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course(if any)	Nil		
Course Learning Outcomes(CLO)	<p>After completion of the course, learners will be able to:</p> <ol style="list-style-type: none"> 1. understand the structure and significance of financial services in the Indian economy. 2. gain knowledge about various banking and non-banking financial services available in the market. 3. understand the functioning of capital markets and the role of mutual funds in financial planning. 4. explore the role of insurance and credit rating in managing risk and enhancing financial security. <p>5*. apply theoretical knowledge in analyzing financial services and making informed financial decisions.</p>		
Credits	Theory	Practical	Total
	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End-Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Part-B Contents of the Course			
Unit	Topics	Contact Hours	
I	Introduction to Financial Services: Meaning, scope, and importance of financial services; Classification: Fund-based and fee-based services; Growth and challenges of financial services sector in India; Regulatory framework: Role of RBI, SEBI, and Ministry of Finance; Financial intermediaries and their role.	8	

II	Banking and Non-Banking Financial Services: Overview of banking services: Retail, corporate, and digital banking; Non-Banking Financial Companies: Types and functions; Leasing and hire purchase – features and differences; Factoring and forfeiting; Microfinance and small finance institutions.	7
III	Capital Market and Mutual Funds: Capital market: Primary and secondary markets; Stock exchanges in India – NSE, BSE, SEBI regulations; Mutual funds: Types, structure, and benefits; Net Asset Value and Systematic Investment Plans; Credit rating agencies: Role and importance.	8
IV	Insurance and Credit Rating: Basics of insurance: Principles, types (life and general); Insurance Regulatory and Development Authority of India (IRDAI); Health and life insurance products; Credit rating: Meaning, agencies (CRISIL, CARE, ICRA), process, and impact; Risk management and financial planning.	8
V*	<ul style="list-style-type: none"> • Filling out forms for mutual fund investment and insurance policies • Comparison of financial products (e.g., term insurance vs. ULIP, SIPs vs. FDs) • Preparation of a personal financial plan • Case studies on the role of NBFCs or Fintech in financial inclusion • Analysis of a credit rating report or mutual fund fact sheet. 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 15 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. 4 Mid-Term Exams 7 ➤ Practicum 15 <ul style="list-style-type: none"> Class Participation 5 Seminars/Presentations/Assignments/Quiz/Class Test etc. 10 Mid-Term Exams NA 		End Term Exams: Theory:35 Practicum:35
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Avadhani, V.A., Marketing of Financial Services, Himalayas Publishers, Mumbai. • Bhole & Mahakud, Financial Institutions and Market, - McGraw- Hill Company, New Delhi. • Ennew. C. Trevor Watkins & Mike Wright: Marketing of Financial Services, Heinemann Professional, Portsmouth, New Hampshire, USA. • Khan, M. Y., Financial services.: McGraw Hill Education., New Delhi. • Machiraju, H. R., Indian financial system., Vikas Publication House, New Delhi. • Murthy, D.K., and Venugopal, Indian Financial System, I K International Publishing House., New Delhi. • Sriram, K.: Hand Book of Leasing, Hire Purchase & Factoring, ICAI, Hyderabad. 		

* Applicable for courses having practical component.

Session 2025-2026			
Part-A Introduction			
Subject	Commerce		
Semester	IV		
Name of the Course	Management Accounting		
Course Code	BP25-COM-401		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-10		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	Nil		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. provide foundational understanding of management accounting and its role in business decision-making. 2. develop skills for analyzing financial statements using various comparative techniques. 3. analyze business performance using ratio analysis and understand movement of funds within an organization. 4. understand how to prepare cash flow statements and apply budgeting techniques for financial planning and control. <p>5*. apply management accounting techniques in practical business scenarios for informed decision-making.</p>		
Credits	Theory	Practical	Total
	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Part-B Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to Management Accounting: Meaning, nature, scope, objectives and functions of management accounting; Difference between financial and management accounting; Role of management accountant in decision-making; Tools and techniques used in management accounting.		8

II	Financial Statement Analysis: Types of financial statements: Income Statement and Balance Sheet; Techniques of financial analysis: Comparative statements, Common size statements, Trend analysis; Limitations of financial statements.	8
III	Ratio Analysis and Fund Flow: Meaning and classification of ratios: liquidity, profitability, solvency, and activity; Calculation and interpretation of key ratios; Meaning and significance of fund flow statements; Preparation of fund flow statement and schedule of changes in working capital.	7
IV	Cash Flow Statement and Budgetary Control: Difference between fund flow and cash flow; Preparation of cash flow statement (as per AS-3: indirect method); Budget and budgetary control: Meaning, objectives, advantages; Types of budgets: Cash, flexible, fixed, and production budgets.	7
V*	<ul style="list-style-type: none"> • Preparation of comparative and common size financial statements • Calculation of ratios from given financial data • Preparation of fund flow and cash flow statements • Drafting various functional budgets • Case studies on decision-making using management accounting tools. 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 15 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. 4 Mid-Term Exams 7 ➤ Practicum 15 <ul style="list-style-type: none"> Class Participation 5 Seminars/Presentations/Assignments/Quiz/Class Test etc. 10 Mid-Term Exams NA 		End Term Exams: Theory:35 Practicum:35
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Agarwal, M.L and Gupta K.L, Management Accounting, Sahitya Bhawan, Agra, Uttar Pradesh, India. • Arora, M.N. Management Accounting. Vikas Publishing House, New Delhi. • Brigham, E.F.and Houston, J. F.: Fundamentals of Financial Management, Cengage, New Delhi. • Garrison H., Ray and Eric W. Noreen, Managerial Accounting. McGraw Hill., Noida, Uttar Pradesh. • Goel, Rajiv, Management Accounting, International Book House, New Delhi. • Khan, M.Y. and Jain, P.K, Management Accounting, McGraw Hill Education, Noida, Uttar Pradesh. • Maheshwari, S.N. and S.N. Mittal, M a n a g e m e n t Accounting. Shree Mahavir, New Delhi. • Singh, S. K. and Gupta Lovleen, Management Accounting – Theory and Practice, Pinnacle Learning, New Delhi. • Singh, Surender. Management Accounting, Scholar Tech Press, New Delhi. 		

* Applicable for courses having practical component.

Session 2025-2026			
Part-A Introduction			
Subject	Commerce		
Semester	IV		
Name of the Course	Goods & Services Tax Law & Practice		
Course Code	BP25-COM-402		
Course Type:(CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-11		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course(if any)	Nil		
Course Learning Outcomes(CLO)	<p>After completion of the course, learners will be able to:</p> <ol style="list-style-type: none"> 1. understand the fundamental principles, structure, and purpose of the Goods and Services Tax system in India. 2. learn the legal provisions related to the levy, scope, and collection of GST including the treatment of various types of supplies. 3. understand the procedure and conditions for availing Input Tax Credit and the importance of registration under GST. 4. develop knowledge of return filing, payment obligations, and statutory compliance under GST law. <p>5*. apply theoretical knowledge in real-world scenarios through computation, documentation, and online filing under GST.</p>		
Credits	Theory	Practical	Total
	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End-Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Part-B Contents of the Course			
Unit	Topics	Contact Hours	
I	Introduction to GST: Concept, objectives, features and benefits of GST; Subsumed taxes and pre-GST scenario; Dual GST model: CGST, SGST, IGST; Constitutional framework and key definitions (goods, services, supply, taxable person, etc.).	8	

II	Levy and Collection of GST: Scope of supply under Section 7; Composite and mixed supplies; Levy and collection of CGST, SGST, and IGST; Reverse charge mechanism; Exemptions and composition scheme under GST.	7
III	Input Tax Credit and GST Registration: Meaning and conditions for availing Input Tax Credit (ITC); Utilization and reversal of ITC; Blocked credits and cross-utilization; GST registration process and types; Amendment, cancellation, and revocation of registration.	7
IV	Tax Payment, Returns, and Records: Payment of tax, interest, penalty, and late fees; Types of GST returns (GSTR-1, GSTR-3B, GSTR-9 – overview); Due dates and filing process; Maintenance of books and records under GST; Overview of audit and assessment procedures.	8
V*	<ul style="list-style-type: none"> • Practical problems on GST computation for intra- and inter-state supplies • Preparation of sample invoices as per GST format • Filing of mock GST returns (GSTR-1, GSTR-3B) • ITC calculation exercises • Use of GST portal (www.gst.gov.in) for registration and return filing demos. 	60

Suggested Evaluation Methods

Internal Assessment:		End Term Exams:
➤ Theory 15		
Class Participation	4	
Seminars/Presentations/Assignments/Quiz/Class Test etc.	4	
Mid-Term Exams	7	
➤ Practicum 15		
Class Participation	5	
Seminars/Presentations/Assignments/Quiz/Class Test etc.	10	
Mid-Term Exams	NA	
		Theory:35 Practicum:35

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Ahuja, Girish and Gupta, Ravi, GST & Customs Law. Flair Publications Pvt. Ltd., Delhi.
- Babbar, Sonal, Kaur, Rasleenand Khurana, Kritika. Good sand Service Tax (GST) and Customs Law. Scholar Tech Press, New Delhi.
- Bansal, K.M., GST & Customs Law. Taxmann Publication, Delhi.
- Mittal, Naveen, Goods & Services Tax and Customs Law. Cengage Learning India Pvt. Ltd., Delhi.
- Mehrotra H.C, Indirect Taxes, Sahitya Bhavan Publications, New Delhi.
- Singhania, V. K and Singhania, Monica, Students guide to GST and Customs Law Taxmann Publication, Delhi.

Open Resources

[https://idtc.icai.org/gst-topic-wise-study-material-](https://idtc.icai.org/gst-topic-wise-study-material-list.html)

[list.htmlhttps://www.gst.gov.in/](https://www.gst.gov.in/)

<https://www.cbic.gov.in>

<https://www.gst.gov.in/>

<https://www.gstindia.com/links/>

* Applicable for courses having practical component.

Session 2025-2026			
Part – A Introduction			
Subject	Commerce		
Semester	IV		
Name of the Course	Auditing		
Course Code	BP25-COM-403		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-12		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	Nil		
Course Learning Outcomes (CLO)	<p>After completing the course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the fundamental concepts, objectives, and scope of auditing. 2. learn how auditors plan audits and evaluate the effectiveness of internal control systems in organizations. 3. acquire skills in checking financial records through vouching, and in verifying and valuing assets and liabilities. 4. understand the legal framework governing company auditors and the process of preparing audit reports. <p>5*. apply theoretical auditing knowledge in simulated practical scenarios and documentation exercises.</p>		
Credits	Theory	Practical	Total
	02	02	04
Contact Hours	02	04	06
Internal Assessment Marks	15	15	30
End Term Exam Marks	35	35	70
Exam Time	3 Hrs.	3 Hrs.	-
Part-B Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to Auditing: Meaning, objectives, and importance of auditing; Types of audit: Statutory, internal, cost, management, tax audit; Auditing vs. Accounting; Basic principles of auditing; Qualities and responsibilities of an auditor; Errors and frauds – types and auditor’s role in detection.		8

II	Audit Planning and Internal Control: Audit planning, audit programme, and audit working papers; Internal control: meaning, objectives, and elements; Internal check and internal audit – differences; Advantages and limitations of internal control systems; Auditor’s role in evaluating internal controls.	8
III	Vouching, Verification, and Valuation: Meaning and importance of vouching; Vouching of cash transactions, purchases, and sales; Verification of assets and liabilities; Valuation principles and techniques; Differences between verification and valuation.	7
IV	Company Auditor and Audit Report: Appointment, qualifications, and disqualifications of company auditors (as per Companies Act, 2013); Powers and duties of an auditor; Audit of share capital and share transfer; Types of audit reports: Clean, qualified, adverse, disclaimer; Contents of a standard audit report.	7
V*	<ul style="list-style-type: none"> • Preparation of audit programmes and working papers • Drafting a basic audit report • Practical exercises on vouching and verification • Case studies on detection of fraud and error • Internal control checklists for departments (e.g., sales, cash, inventory). 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory 15 <ul style="list-style-type: none"> Class Participation 4 Seminars/Presentations/Assignments/Quiz/Class Test etc. 4 Mid-Term Exams 7 ➤ Practicum 15 <ul style="list-style-type: none"> Class Participation 5 Seminars/Presentations/Assignments/Quiz/Class Test etc. 10 Mid-Term Exams NA 		End Term Exams: Theory:35 Practicum:35
Part-C Learning Resource		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Gupta, Kamal and Ashok Gupta, Fundamentals of Auditing, Tata McGraw Hill, Noida, Uttar Pradesh. • Kapoor, N.D., Auditing, S Chand, New Delhi. • Saxena, R.G., Principles and Practice of Auditing, Himalaya Publishing House, New Delhi. • Spicer and Pegler, Auditing: Khatalia’s Auditing, Allied Publishers in Calcutta, India. • Tandon, B.N., Practical Auditing, S. Chand Company Ltd., New Delhi. 		

* Applicable for courses having practical component.

Session 2025-2026			
Part-A Introduction			
Programme		B.Com. (Professional)	
Subject	Commerce		
Semester	V		
Name of the Course	Apprenticeship		
Course Code	BP25-COM-501		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	PROJECT		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	1. To get Apprenticeship training in any Company		
	Theory	Practical	Total
Credits	0	0	20
Contact Hours	0	600	600
Max. Marks: 500			
A. Marks by establishment: 125 B. Marks by faculty mentor: 125 C. Marks through Presentation/ Viva-Voce: 250			
Part-B Contents of the Course			
Instructions for Examiner			
The evaluation will be done on the basis of viva-voce and log book by the examiner.			
Suggested Evaluation Methods			
Internal Assessment	End Term Examinations		
<ul style="list-style-type: none"> ● Practicum ● Class Participation: NA ● Marks by establishment: 125 ● Marks by faculty mentor: 125 ● Seminar/Demonstration/viva voce/ Lab records etc: NA ● Mid Term Exam: NA 	End Term Examinations (Presentation & Viva Voce: 250 marks)		

Session 2025-2026			
Part-A Introduction			
Programme		B.Com. (Professional)	
Subject	Commerce		
Semester	VI		
Name of the Course	Apprenticeship		
Course Code	BP25-COM-601		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	PROJECT		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	1. To get Apprenticeship training in any Company		
	Theory	Practical	Total
Credits	0	0	20
Contact Hours	0	600	600
Max. Marks: 500			
D. Marks by establishment: 125 E. Marks by faculty mentor: 125 F. Marks through Presentation/ Viva-Voce: 250			
Part-B Contents of the Course			
Instructions for Examiner			
The evaluation will be done on the basis of viva-voce and log book by the examiner.			
Suggested Evaluation Methods			
Internal Assessment	End Term Examinations		
<ul style="list-style-type: none"> ● Practicum ● Class Participation: NA ● Marks by establishment: 125 ● Marks by faculty mentor: 125 ● Seminar/Demonstration/viva voce/ Lab records etc: NA ● Mid Term Exam: NA 	End Term Examinations (Presentation & Viva Voce: 250 marks)		

Kurukshetra University, Kurukshetra
(Established by the State Legislature Act XII of 1956)
(‘A++’ Grade, NAAC Accredited)

॥ योगस्थः कुरु कर्माणि ॥
समबुद्धि व योग युक्त होकर कर्म करो
(Perform Actions while Stead fasting in the State of Yoga)



Scheme of Examination for Under-Graduate Programmes
Bachelor of Management Studies (Event Management) BMS (Event
Management)

(Apprenticeship Embedded Degree Programme (AEDP))

SCHEME D

according to

Curriculum Framework for Under-Graduate Programmes
As per NEP-2020 (Multiple Entry-Exit, Internships and Choice Based
Credit System) with effect from the session 2025-26 (in phased manner)

DEPARTMENT OF TOURISM & HOTEL MANAGEMENT
FACULTY OF COMMERCE & MANAGEMENT

**Bachelor of Management Studies (Event Management) BMS (Event Management) (3 Year)
(Apprenticeship Embedded Degree Programme (AEDP))**

Eligibility Conditions: Senior Secondary Certificate Examination (10+2 Standard) of Board of School Education, Haryana or from any other Board recognized equivalent thereto by the KUK

Seats: 40 (AIC-05, EWS out of AIC-01, HGC-15, EWS out of HGC-02, OSC-03, Deprived-SC-04, BC(A)-05, BC(B)-04, DA - 01)

Supernumerary Seats: 19 (Kashmiri Migrants-01, Kashmiri Pandits/Kashmiri Hindu Families (Non-Migrants living in the Kashmir Valley)-01, Outstanding Sports Persons-02, NCC-01, NSS-01, International Students-06, Single Girl Child-01, KG to PG Scheme (for students of USSMS)-06).

Program Learning Outcomes (PLOs)

PLO-1. Domain Knowledge and Practical skills

- To impart in-depth knowledge of concept, approaches and issues related to managing event businesses;
- To develop individual learning, communication, time management and team dynamics skills;
- To apply core knowledge and technical proficiency of Artificial Intelligence and Machine Learning to solve real-world problems in event management.

PLO-2 Creativity and Problem-Solving Skills

- To develop Creative thinking to create novel solutions to problems,
- To enhance analytical skills to analyze problems and put effective measures in place,
- To promote adaptability to handle dynamic and unexpected circumstances,

PLO-3. Innovative Leadership and Entrepreneurship:

- To develop abilities to both lead and respect the views, positions and beliefs of others and to plan and manage effectively;
- To explore issues and problems that needs solutions with entrepreneurial orientation.
- To recognize, appreciate and follow ethical standards in all walks of life

PLO-4. Industry exposer and employability through Work based learning

- To gain hands-on experience through on-the-job training in live MICE industrial environments;
- To enhance apprenticeship-based learning outcomes for embracing feedback, maintain records and preparation of reports;
- To demonstrate an understanding of workplace expectations, professional behavior, and organizational structure;

PLO-5. Adapt Sociability and Environmental Consciousness:

- To employ sustainable strategies to improve sustainable performance in interdisciplinary environments in the event industry.

**GENERAL INSTRUCTIONS FOR EXAMINERS / PAPER SETTERS / SUBJECT
TEACHERS**

EVALUATION AND EXAMINATION

- The students will be assessed through a system of Continuous Comprehensive Assessment (CCA).
- Evaluation will be done by internal assessment (broadly 30% of total weight age) and by end term exam for rest 70%).

Theory Internal Assessment shall broadly based on the following defined composition:

- a) Class Participation
- b) Seminar/Presentation/Assignment/Quiz/Class Test, etc.
- c) Mid-Term Exam

Total Internal Assessment Marks (Theory)	Class Participation	Seminar/Demonstration/Viva-Voce/Lab Record etc.	Mid-Term Exam
10	04	-	06
15	04	04	07
20	05	05	10
25	05	07	13
30	05	10	15

Practical Internal Assessment shall broadly based on the following defined composition:

- a) Class Participation
- b) Seminar/Presentation/Viva-voce/Lab Records, etc.
- c) Mid-Term Exam

Total Internal Assessment Marks (Practicum)	Class Participation	Seminar/Demonstration/Viva-Voce/Lab Record etc.	Mid-Term Exam
05	-	05	NA
10	-	10	NA
15	05	10	NA
30	05	10	15

MODE OF PAPER SETTING FOR END-TERM EXAMINATION:

Every course irrespective of credit will have an End-Term Examination with every course paper having 09 questions in all. Question No. 1 will be compulsory. Duration of the exam will be 3 hours irrespective of credit. These questions shall judge both theoretical and applied knowledge of students. Case studies may also be given as questions.

Kurukshetra University, Kurukshetra
(Established by the State Legislature Act XII of 1956)
(‘A++’ Grade, NAAC Accredited)

Scheme of Examination for Undergraduate Programmes

Subject: **Bachelor of Management Studies (Event Management)**

BMS (Event Management)

According to Curriculum Framework for Undergraduate Programmes

as per NEP 2020 (Multiple Entry-Exit, Internships and Choice Based Credit System)

Sem	Course Type	Course Code	Nomenclature of paper	Credits	Contact hours	Internal marks	End term Marks	Total Marks	Duration of exam (Hrs)
1	CC-A1	B25-EVM-101	Introduction to Tourism and Hospitality Industry	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	CC-B1	B25-EVM-102	Basics of Event Management	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	CC-C1	B25-EVM -103	Principles and Practices of Management	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	CC-M1	B25-EVM -104	Information Technology in Event Management	1	1	10	20	30	3
			Practical	1	2	5	15	20	3
	MDC1	To be taken from other department		3					
	SEC1	To be taken from SEC Pool		3					
	VAC1	To be taken from VAC Pool		2					
	AEC1	To be taken from AEC Pool		2					
2	CC-A2	B25-EVM -201	Event Production and Logistic Management	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	CC-B2	B25-EVM -202	Event Costing, Budgeting and Planning	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	CC-C2	B25-EVM -203	Event Marketing Management	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	CC-M2	B25-EVM -204	Human Resource Management for Events	1	1	10	20	30	3
			Practical	1	2	5	15	20	3
MDC-2	To be taken from other department		3						

	SEC-2	To be taken from SEC Pool		3					
	VAC-2	To be taken from VAC Pool		2					
	AEC-2	To be taken from AEC Pool		2					
	Internship of 4-6 weeks in case of Exit from programme								
3	CC-A3	B25-EVM -301	MICE Management	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	CC-B3	B25-EVM -302	Emerging Technology in Event Management	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	CC-C3	B25-EVM -303	Banquet Operation and Management	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	CC-M3	B25-EVM -304	Event Laws and Licenses	2	2	10	20	30	3
			Practical	2	4	5	15	20	3
	MDC-3	To be taken from other department		3					
	SEC-3	To be taken from SEC Pool		3					
4	AEC-3	To be taken from AEC Pool		2					
	CC -A4	B25-EVM -401	Business Research Methods	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	CC -B4	B25-EVM -402	Event Entrepreneurship	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	CC -C4	B25-EVM -403	Specialized Event Management	2	2	15	35	50	3
			Practical	2	4	15	35	50	3
	AEC - 4	To be taken from AEC Pool		2					
	VAC - 3	To be taken from VAC Pool		2					
	CC - M4(V)	To be taken from VOC Pool	B23-VOC-235 Tourism in India		3	3	20	50	70
				1	2	10	20	30	3
5	Project	B25-EVM -501	Apprenticeship			A	B	C	D
6	Project	B25-EVM -601	Apprenticeship	20		125	125	250	500
				20		125	125	250	500

A Marks by establishment; **B**. Marks by faculty mentor; **C**. Marks through Presentation/Viva-Voce;
D (Total Marks) = A + B + C

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	I		
Name of the Course	Introduction to Tourism and Hospitality Industry		
Course Code	B25-EVM -101		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-A1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Knowledge of hospitality industry 2. Familiarizing with Ownership structure of hotels 3. Knowledge of hotel organization 4. Ability to identify different Hospitality sector 5. Apply theoretical knowledge through practical tasks and field experiences. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.			
Unit	Topics		Contact hours
I	Historical Development of Tourism; Transportation; the Concept of Tourism; Definition and meaning of tourist; traveller, visitor, excursionist & transit visitor; International tourist & Domestic Tourist; Typologies of Tourists.		7

II	Hospitality Industry- An introduction: Concept, origin, growth and development overtime, scope, current and future trends in hospitality Industry; Hospitality industry & linkages with other industries; Role in global and Indian economy; Major international & Indian hotel chains	7
III	Ownership structure of hotels: Types- Sole proprietorship, Partnership, Management Contract, Joint Venture, Franchisee, Public Sector, Private Sector; Referral Groups/Consortium-Concept, Features, Advantages and Disadvantages.	8
IV	Hotel Organization: Organization structure& hierarchy of hotels; Departments in hotels Front office, Housekeeping, Food and Beverage (service & production), Engineering & Maintenance, Security, Human Resource depts., Sales & Marketing, Purchase & Stores, Accounts; Inter relationship among various departments of hotels	8
V	<p>Introduction to Tourism and Hospitality Industry (PRACTICAL):</p> <ul style="list-style-type: none"> • Report comparing ancient vs modern travel motives • Design tourist profiles using case studies • Analyze ticketing and itinerary options for a chosen tourist route • Trend research presentation • Industry linkage map (diagram showing dependencies) • Brand profile project – choose one chain, present its structure, values, presence • SWOT analysis of different ownership types • Create an organization chart for a 5-star hotel • Create departmental responsibilities chart • Simulated role-play of a guest complaint being handled across departments 	60
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation: 04 Marks • Seminar/presentation/assignment/quiz/class test etc.: 04 Marks • Mid-Term Exam: 07 Marks <p>➤ Practicum</p> <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 		<p>End Term Examination:</p> <p>End Term Exam Theory Marks: 35</p> <p>End Term Exam Practical: 35</p>
Part C-Learning Resources		

	<ul style="list-style-type: none"> • Introduction to Hospitality-John R.Walker University of South Florida Publisher: Prentice Hall • Managing Front Office Operations – Kasavana& Brooks • Introduction to Tourism & Hospitality Industry – Sudhir Andrews – TATA Mc Graw – Hill • Hospitality World!: An Introduction- Harold E. Lane, Denise Dupré ; Wiley International • Introduction to the Hospitality Industry, Study Guide, 7th Edition - Clayton W. Barrows, Wiley • Bhatia, A.K. International Tourism: Fundamental and practice, Delhi: Sterling. • Hudman, E.L. and D.E. Hawkins, Tourism in Contemporary Society: an introductory text, New Jersey: Prentice Hall. 	
--	---	--

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	I		
Name of the Course	Basics of Event Management		
Course Code	B25-EVM-102		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-B1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Define the concept, its advantages & disadvantages & types of events. 2. Explain key elements of pre-events planning. 3. Point out event marketing & HR Requirement. 4. Create knowledge about various issues of events such as event catering, event entertainment, financial & crowd management for events. 5. Apply theoretical knowledge through practical tasks and field experiences. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.			
Unit	Topics		Contact hours
I	Introduction to the Events: The Concept, Nature, Definition and scope, C's of Events, advantages and disadvantages of Events, Various Categories of events, Organization structure of event management companies, Emerging trends in event industry.		7

II	Organizing & Designing of Events, Event planning – Concept, Process and Design, Pre- Event Research, Studying Event feasibility, legal compliances, Event Venue Finding Logistics and Ambience	7
III	Event Marketing & Human Resource for event Marketing & Promotion of Events: Nature of Event Marketing, Process of Event Marketing, The Marketing Mix, Sponsorship. Promotion: Image/ Branding, Advertising, Publicity and Public Relation. The Human Research Planning Process: Need Assessment; Policies and Procedures: Job Description; Recruitment and selection; training and development of event staff: Developing Leadership and Supervision skills during Events, Group development. Skills required to be a good event planner.	8
IV	Important Issues in Event planning Event Catering, Events Decorations, Entertainment planning for events and Speaker selection, Various Protocols during Events, Time Management Events, Financial Management of Events. Safety and Security: Occupational Safety and Health, Incident Reporting, Crowd Management and Evacuation.	8
V	Basics of Event Management (PRACTICAL): <ul style="list-style-type: none"> • Prepare a chart showing the 5 C’s of Event Management with event examples. • Make a poster/presentation on emerging trends in the event industry (e.g., virtual events, green events). • Identify and categorize 10 events under various typologies (MICE, festivals, exhibitions, etc.). • Prepare a detailed event planning checklist for any one event held in your university / college. • Visit and report on a local event venue – logistics, layout, ambience, and facilities. • Draft a feasibility study report for a hypothetical event. • Design a promotional plan (social media + offline) for an upcoming event. • Create a sponsorship proposal with brand visibility benefits. • Conduct a mock recruitment drive for an event team. • Organize a role-play to demonstrate team leadership and conflict resolution at an event. • Create a sample event catering menu with costing for 100 guests. • Develop a décor and entertainment plan for any theme-based event. • Prepare a safety and crowd management plan including evacuation steps for an outdoor concert. 	60
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory <ul style="list-style-type: none"> • Class Participation: 04 Marks • Seminar/presentation/assignment/quiz/class 		End Term Examination:

<p>test etc.: 04 Marks</p> <ul style="list-style-type: none"> • Mid-Term Exam: 07 Marks <p>➤ Practicum</p> <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 	<p>End Term Exam Theory Marks: 35</p> <p>End Term Exam Practical: 35</p>	
<p>Part C-Learning Resources</p>		
	<ul style="list-style-type: none"> • A.K. Bhatia, Event Management', Sterling Publishers Pvt. Ltd. Delhi. • Anton Shone & Bryn Parry, Successful Event Management, Coleman, Lee & Frankle, Powerhouse Conferences. Educational Institute of AHMA • Hoyle, Dorf & Jones, Meaning conventions & Group business. Educational institute of AH & MA. • Joe Jeff Goldblatt, "Special Events: Best Practices in Modern Event Management (Hospitality, Travel & Tourism)", John Willy and Sons, New York • Leonard H. Hoyle, Jr, Event Marketing', John Willy and Sons, New York • Lynn Van Der Wagen, Carlos, Event Management, Pearson, New Delhi. • Sanjay Singh Gaur, Sanjay V Saggere, Event Marketing Management, Vikas Publication, New Delhi • John Beech, Sebastian Kaiser, Robert Kaspar - The Business of Events Management, Pearson Publications 	

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	I		
Name of the Course	Principles and Practices of Management		
Course Code	B25-EVM -103		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-C1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Describe fundamental concepts, nature and principles of Management. 2. Explain the role and responsibilities of managers and adapt to the various styles of 3. Develop analytical abilities to face the business situations. 4. Apply various tools that would facilitate the decision-making process in the business 5. Apply theoretical knowledge through practical tasks and field experiences. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.			
Unit	Topics		Contact hours
I	Management: Concept of Management, Nature & Scope of Management, Significance of Management, responsibility of managers, Management thoughts: Fayol, Taylor, Elton Mayo; Functions of Management.		7
II	Planning, Characteristics of Planning, Steps in Planning Process, Benefits and Limitation of planning, Types of planning, Objective, Strategies, Policies; Management by Objectives. Organizing: Nature & purpose of organization, principle of organization; Departmentation; Centralization & Decentralization; Forms of organization structure; Line and Staff relationship.		7

III	Decision Making: Features of decision making, Role of decision making in management, Types of managerial decision, Steps in decision making process, Decision making techniques, Principles of decision making.	8
IV	Motivation – concept, importance and theories. Leadership - concept, approaches and leadership styles Controlling: Nature of Control, process of controlling, techniques of controlling, significance and limitation of control, Trends and challenges of management in global scenario, emerging issues in management	8
V	Principles and Practices of Management (Practical) <ul style="list-style-type: none"> • Managers: role and responsibilities; • Management and modern society; • CRS, • formulation and implementation of plans, • Designing organization chart and flow framework. • Determine alternatives and selecting best alternative, • motivating employees, • Developing leadership styles and practising them. 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 04 Marks • Seminar/presentation/assignment/quiz/class test etc.: 04 Marks • Mid-Term Exam: 07 Marks ➤ Practicum <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 		End Term Examination: End Term Exam Theory Marks: 35 End Term Exam Practical: 35
Part C-Learning Resources		
	<ul style="list-style-type: none"> • Trpathi , P.C., Reddy, P.N. and Bajpai, A. (2021), Principles of Management 7th ed., McGraw Hill Education (India) Private Limited, Noida, Uttar Pradesh. • Prasad , L.M. (2024), Principles and Practice of Management, Sultan Chand and Sons , Daryaganj , New Delhi. • Koontz , H. and Weihrich , H. (2012), Essentials of Management: An International and Leadership Perspective, McGraw Hill Education (India) Private Limited, Noida, Uttar Pradesh. • Gerald A. Cole (2004), Management Theory and Practice, Thomson Learning, • Julie Zhuo (2019) The Making of a Manager: What to Do When Everyone Looks to You , Portfolio Penguin Group , USA. 	

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	I		
Name of the Course	Information Technology in Event Management		
Course Code	B25-EVM-104		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Identify and describe key information technology tools and platforms used in the planning, promotion, and execution of events. 2. Demonstrate the ability to apply basic IT applications in event management tasks. 3. Analyze the role of emerging technologies such as virtual event platforms, AI tools, and AR/VR in enhancing attendee experience and operational efficiency. 4. Design digital content, data forms, and basic reports using IT tools to support effective event planning and post-event evaluation. 5. Exposure to practical aspects related to IT in events. 		
Credits	Theory	Practical	Total
	1	1	2
Contact Hours	1	2	3
Max. Marks: 50		Time: 3 Hours	
Internal Assessment Marks: = 15			
End Term Exam Marks: = 35			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
<p>Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 04 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 04 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.</p>			

Unit	Topics	Contact hours
	Introduction to IT in Event Management	
I	Importance and benefits of IT in event planning and execution; Digital transformation in the Indian event industry; Types of events and related IT applications (Corporate, Cultural, MICE)	3
II	Technology Trends in the Event Industry Artificial Intelligence (AI) in attendee engagement; Virtual and Hybrid Events: Basics of live streaming and webinar platforms; Use of Augmented Reality (AR)/Virtual Reality (VR) in immersive event experiences	4
III	Social Media & Promotion Tools Use and importance of Facebook, Instagram, YouTube, WhatsApp and other trending social media platforms in event promotion; Introduction to content creation tools; SEO basics and email marketing for events	4
IV	Data Management and Security Importance of data and basic database use in event management (Excel, Google Sheets etc.); Participant data collection and privacy concerns; Cybersecurity awareness for event professionals	4
V	Information Technology in Event Management (PRACTICAL): <ul style="list-style-type: none"> • Exploring virtual/hybrid event platforms • Hands-on with AI-based event tools • Designing event posters using Canva • Creating mock event pages on Instagram or Facebook • Creating an attendee registration sheet • AI tools • Excel/Google Sheets, Facebook/Instagram pages (mock) 	30
	Suggested Evaluation Methods	
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 4 Marks • Seminar/presentation/assignment/quiz/class test etc.: NA • Mid-Term Exam: 6 Marks ➤ Practicum <ul style="list-style-type: none"> • Class Participation: NA • Seminar/Demonstration/Viva-voce/Lab records etc.: 5 Marks • Mid-Term Exam: NA 		End Term Examination: End Term Exam Theory Marks: 20 End Term Exam Practical: 15
Part C-Learning Resources		

	<ul style="list-style-type: none"> • Allen, J., O'Toole, W., Harris, R., & McDonnell, I. (2011). Festival and special event management (5th ed.). Wiley. • Lee, S. S., Boshnakova, D., & Goldblatt, J. (2017). The 21st century meeting and event technologies: Powerful tools for better planning, marketing, and evaluation. Apple Academic Press. • Fenich, G. G. (2020). Meetings, expositions, events, and conventions: An introduction to the industry (5th ed.). Pearson. • Bhatia, A. K. (2012). Event management. Sterling Publishers. • Chaturvedi, D. D. (2011). Event management & marketing. International Book House Pvt. Ltd. • Gaur, S. S., & Saggere, P. S. (2017). Event marketing and management. Vikas Publishing. 	
--	--	--

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	II		
Name of the Course	Event Production and Logistic Management		
Course Code	B25-EVM-201		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC- A2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Outline entertainment & décor related requirement for event 2. Discover audio-visual and lightning systems in production 3. Identify special effect, staging & tenting requirements. 4. Prepare for various logistics for events. 5. Apply theoretical knowledge through practical tasks and field experiences. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.			
Unit	Topics		Contact hours
I	Entertainment & Décor Defining Entertainment: forms, reasons & content of entertainments; Staging entrainment; Working with performers Décor: Design theory – its elements, principles, categories of Décor; Setup consideration for Décor		8

	Audio – Visual & Lightning systems Audio System -Acoustic theory and its relationship to the event space, uses of an audio system, main audio system groups and their components, Signal path & equipment location in the Event Space, Pre event sound check & system operations during event, risk & safety	
II	Visual presentation – purpose, visual sources, signal processing, projection equipment’s, display equipment’s, Multimedia presentation, visual equipment’s setup & operations during event, risk & safety Lighting – Objective of event lightning, quality, lightning instruments, Event lightning Design, lightning concept, setup & operations; risk & safety	7
III	Special Effects, Staging & tenting Special effect – types of special effects Staging – the language of stage, types & construction of stages, placement, stage draping, stage sets, risk & safety Tenting – types, various accessories of tents, setup considerations, new tent technology.	8
IV	Miscellaneous technical resources and logistics & operations Miscellaneous - Electric power, Rigging and trussing & other temporary structure. Logistics – setup & teardown	7
V	Event Production and Logistic planning (PRACTICAL) <ul style="list-style-type: none"> ▪ Script and storyboard an entertainment segment (e.g., for a wedding or corporate gala). ▪ Design a stage layout for a live performance. ▪ Hands-on setup of table centerpieces and backdrops according to a brief. ▪ Build a scaled-down mock décor setup for a wedding or product launch. ▪ Identify and label audio system components (mixers, amps, speakers, mics). ▪ Set up and operate a projector and screen. ▪ Create a lighting plot for a small stage event. ▪ Design a special effect plan for a concert intro or wedding grand entry. ▪ Evaluate risk and safety checklists for various SFX. ▪ Prepare stage skirting/draping and backdrop. ▪ Create a layout for an event under a tent, considering fire exits and catering zones. 	60
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory <ul style="list-style-type: none"> • Class Participation: 04 Marks • Seminar/presentation/assignment/quiz/class test etc.: 04 Marks • Mid-Term Exam: 07 Marks ➤ Practicum <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 		End Term Examination: End Term Exam Theory Marks: 35 End Term Exam Practical: 35
Part C-Learning Resources		

	<ul style="list-style-type: none"> • Douglas Matthews (2008), Special Event Production, Elsevier Inc. • Lynn V. and Brenda R., Event Management, Pearson Publication, New Delhi • Van der Wagen, L. & Carlos, B.R. (2005). Event management for tourism cultural, Business and Sporting Events, Upper Saddle River, N.I. Pearson, Prentice Hall. • S.N. Bagchi and Anita Sharma Food and Beverage Service, Aman Publication New Delhi. • Lawson, F.R. Congress, Conventions and Conference: facility Supply and demand International Journal of Tourism management, September, 18-8-1980. • Goldblatt, JJ Special Events: Art and Science of Celebration New York, Van Nostrand Reinhold, 1990. 	
--	---	--

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	II		
Name of the Course	Event Costing, Budgeting and Planning		
Course Code	B25-EVM-202		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-B2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Develop a basic understanding about Costing and Budgeting. 2. Learn the role of Budget and Costing in Event Management. 3. Understand the importance of Cost Control in Event Management. 4. Ability to use of strategic cost management in event Management. 5. Apply theoretical knowledge through practical tasks and field experiences. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.			
Unit	Topics		Contact hours
I	Event costing –meaning, importance and scope, Relationship of Cost Accounting, Financial Accounting, Management Accounting and Financial Management. Types of event Costs, Cost Control, and Steps in Cost Control Process. Cost reduction plan and programme. Difference between Cost Control and Cost Reduction		7
II	Job Costing/ Contract Costing, Service Costing and Event Management. Use of Marginal costing break-even point in Event Management. Strategic Cost Management: Basic Concepts, Value-Chain Framework, Linkages, and Activities, Importance of Strategic Cost Management in Event Management, Techniques of Strategic Cost Management. Activity Based Costing and Event Management.		7

III	Concept of the budget as a control system and the use of responsibility accounting in Event Management. Essentials of Budgeting for Event Management, Types of Budgets in Event Management. Budget systems for uncertainty in the event management. Sponsorship and Budgeting of Events.	8
IV	Beyond Budgeting Model: Application of beyond budgeting model in Event Management, including the benefits and problems. Issues surrounding setting the difficulty level for a budget. Appropriate budgetary systems for an Event Management company including top down, bottom-up, feedback and feed-forward control approaches.	8
V	Event Costing, Budgeting and Planning (Practical) <ul style="list-style-type: none"> • Event costing- determinants, planning and costing process. • Preparation of event cost sheet • Determination of Marginal costing break-even point in Event Management • Application of budget as a control system and the use of responsibility accounting in Event Management. • Developing procedure for Sponsorship and Budgeting of Events • Application of budgeting model in Event Management 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 04 Marks • Seminar/presentation/assignment/quiz/class test etc.: 04 Marks • Mid-Term Exam: 07 Marks ➤ Practicum <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 		End Term Examination: <p>End Term Exam Theory Marks: 35</p> <p>End Term Exam Practical: 35</p>
Part C-Learning Resources		
	<ul style="list-style-type: none"> • Arora, M.N.: Cost and Management Accounting (Theory and Problems); Himalaya Publishing House, Mumbai • Horngren, C.T.: Cost and Management Accounting - A Managerial Emphasis; Pearson Education Asia, Delhi • Jain, Deepak: Cost & Management Accounting, Taxmann Publications Pvt. Ltd. • Khan, M.Y. & Jain, P.K.: Theory and Problems of Management and Cost Accounting; McGraw-Hill Education (India) Ltd., Noida • Kishore, Ravi M.: Advanced Management Accounting; Taxmann Publication (P) Ltd., New Delhi • Maheshwari, S.N.: Cost and Management Accounting; Sultan Chand & Sons, New Delhi • Saxena, V.K. & Vashist, C.D.: Cost and Management Accounting; Sultan Chand & Sons, New Delhi • Zad, N.S.: Cost & Management Accounting, Taxmann Publications Pvt. Ltd. 	

Part C-Learning Resources

- **Allen, J., O'Toole, W., Harris, R., & McDonnell, I.** (2011). *Festival and special event management* (5th ed.). Wiley.
- **Tum, J., Norton, P., & Wright, J. N.** (2006). *Management of event operations*. Butterworth-Heinemann.
- **Bladen, C., Kennell, J., Abson, E., & Wilde, N.** (2017). *Events management: An introduction* (2nd ed.). Routledge.
- **Gaur, S. S., & Saggere, P. S.** (2017). *Event marketing and management*. Vikas Publishing.
- **Bhatia, A. K.** (2012). *Event management*. Sterling Publishers.
- **Mishra, P. K.** (2016). *Event management: Principles and practice*. Global Vision Publishing House.

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	II		
Name of the Course	Event Marketing Management		
Course Code	B25-EVM-203		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-C2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To understand the fundamental principles of event marketing and explain the role of the marketing mix (7Ps) across various types of events. 2. To analyze target audiences using segmentation, targeting, and positioning (STP) frameworks, and interpret consumer behavior trends in the context of event participation. 3. To apply appropriate promotional tools and communication strategies—including digital and social media tactics—for branding and promoting diverse types of events. 4. To evaluate event sponsorship strategies, pricing models, and post-event marketing outcomes using relevant metrics and feedback systems. 5. To provide first hand insights to event marketing through various activities. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			

Instructions for Paper- Setter

Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.

Unit	Topics	Contact hours
I	Fundamentals of Event Marketing <ul style="list-style-type: none"> • Introduction to Event Marketing: Definition, Nature, and Importance; Role of Marketing in Event Planning and Execution; Overview of Event Types and Marketing Relevance (MICE, Cultural, Sports, Corporate); 7Ps of Event Marketing 	7
II	Target Audience and Market Segmentation <ul style="list-style-type: none"> • Identifying and Understanding Target Audiences; Segmentation, Targeting, and Positioning (STP) in Event Marketing; Consumer Behavior in Event Participation; Importance of Event Market Research 	7
III	Event Promotion and Communication Strategies <ul style="list-style-type: none"> • Event Branding and Image Building; Promotional Tools: Advertising, PR, Sales Promotion, Direct Marketing; Basics of Digital and Social Media Marketing for Events; Role of Influencers and Partnerships in Promotion 	8
IV	Event Sponsorship and Evaluation <ul style="list-style-type: none"> • Importance and Types of Sponsorships; Approaching and Managing Sponsors; Basics of Pricing and Ticketing Strategies; Post-Event Marketing Evaluation: Measuring Effectiveness and Feedback 	8
V	EVENT MARKETING MANAGEMENT (PRACTICAL): <ul style="list-style-type: none"> • Design a simple market research tool (Google Form or printed survey) to identify preferences for different types of events • Select a hypothetical or real event (college fest, webinar, festival, concert, etc.) and design a basic marketing plan including STP (Segmentation, Targeting, Positioning) • Create sample digital content for the chosen event <ul style="list-style-type: none"> ○ 1 social media post ○ 1 promotional reel/video • Prepare a basic sponsorship proposal including event overview, benefits to sponsors, and contact details • Design a post-event feedback form or digital questionnaire to evaluate success and collect attendee insights 	60

Suggested Evaluation Methods		
<p>Internal Assessment:</p> <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 04 Marks • Seminar/presentation/assignment/quiz/class test etc.: 04 Marks • Mid-Term Exam: 07 Marks ➤ Practicum <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 	<p>End Term Examination:</p> <p>End Term Exam Theory Marks: 35</p> <p>End Term Exam Practical: 35</p>	
Part C-Learning Resources		
	<ul style="list-style-type: none"> • Allen, J., O'Toole, W., Harris, R., & McDonnell, I. (2011). <i>Festival and special event management</i> (5th ed.). Wiley. • Tum, J., Norton, P., & Wright, J. N. (2006). <i>Management of event operations</i>. Butterworth-Heinemann. • Bladen, C., Kennell, J., Abson, E., & Wilde, N. (2017). <i>Events management: An introduction</i> (2nd ed.). Routledge. • Gaur, S. S., & Saggere, P. S. (2017). <i>Event marketing and management</i>. Vikas Publishing. • Bhatia, A. K. (2012). <i>Event management</i>. Sterling Publishers. • Mishra, P. K. (2016). <i>Event management: Principles and practice</i>. Global Vision Publishing House. 	

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	II		
Name of the Course	Human Resource Management for Events		
Course Code	B25-EVM-204		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	<ol style="list-style-type: none"> 1. Knowledge about basic of human resource management 2. Familiarizing With Recruitments, Learning & Development, Performance Appraisal 3. Ability To Identify Employee Motivation, Compensation & Benefit Management 4. Knowledge about Employees health & safety, Employees Welfare and social security 5. Get hands on human resource practice prevailing in industry 		
Credits	Theory	Practical	Total
	1	1	2
Contact Hours	1	2	3
Max. Marks: 50		Time: 3 Hrs	
Internal Assessment Marks: = 15			
End Term Exam Marks: = 35			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
<p>Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 04 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 04 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.</p>			
Unit	Topics		Contact hours
I	HRM Introduction, Definition & Concept: <ul style="list-style-type: none"> • Concept & Objectives of HRM • HRM Functions 		3

	<ul style="list-style-type: none"> • Scope of HRM • Importance of HRM • HR Planning & Process, • Approaches To HRM 	
II	<p>Recruitments</p> <ul style="list-style-type: none"> • Introduction, Concept, Sources, • Recruitments Policy and Techniques. <p>Selection:</p> <ul style="list-style-type: none"> • Introduction, meaning, Concept, • Steps in selection process <p>Training:</p> <ul style="list-style-type: none"> • Meaning & importance • Methods of training 	4
III	<p>Performance Appraisal:</p> <ul style="list-style-type: none"> • Introduction, Purpose, Process, • Methods of Performance Appraisal <p>Employee Motivation:</p> <ul style="list-style-type: none"> • Concept, Various Motivation Theories <p>Compensation:</p> <ul style="list-style-type: none"> • Meaning & Polices of compensation • Employee Compensation Practices in India 	4
IV	<p>Employees health & safety:</p> <ul style="list-style-type: none"> • Meaning & concept of employee's health's • Employees safety & their importance <p>Employees Welfare and social security:</p> <ul style="list-style-type: none"> • Concept & scope • Types of welfare service • Social security in India 	4
V	<p>Human Resource Management for Events (PRACTICAL)</p> <ul style="list-style-type: none"> • Case review – HR challenges in large festivals • Design a staffing chart for a corporate event • Draft a job description for an event operations manager • Conduct mock interviews for event roles • Analyze selection and onboarding at a major international event • Design a one-day training plan for event volunteers • Team-building simulation game • Create a performance evaluation template • Handle a staff dispute during a live event 	30
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation: 4 Marks • Seminar/presentation/assignment/quiz/class test etc.: NA • Mid-Term Exam: 6 Marks <p>➤ Practicum</p> <ul style="list-style-type: none"> • Class Participation: NA • Seminar/Demonstration/Viva-voce/Lab 		<p>End Term Examination:</p> <p>End Term Exam Theory Marks: 20</p> <p>End Term Exam Practical: 15</p>

records etc.: 5 Marks • Mid-Term Exam: NA	
Part C-Learning Resources	
	<ul style="list-style-type: none"> • Human Resource Development & Management in the Hotel Industry – S.K. Bhatia, Nirmal Singh • Principal and Techniques of Personnel Management Human Resource Management – Dr. Jagmohan Negi • Human Resource Management – Rao V S P • Human Resource Management: T . N.Chabbra

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	III		
Name of the Course	MICE Management		
Course Code	B25-EVM-301		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-A3		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Get hands on human resource practice prevailing in Outline entertainment & décor related requirement for event 2. Discover audio-visual and lightning systems in production 3. Identify special effect, staging & tenting requirements. 4. Prepare for various logistics for events. 5. Apply theoretical knowledge through practical tasks and field experiences. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.			
Unit	Topics		Contact hours
I	Introduction to MICE: Historical Evolution of MICE in India, Components of MICE, Economical and Social significance of MICE, MICE & Hotel Industry, Impact of MICE, Careers in MICE, Different types of gathering, Emerging trends in MICE, Convention visitor Bureaus - functions, structure, and funding sources, brief introduction to ICPB & ICCA.		7

II	<p>Management of MICE MICE planning; Need analysis; Developing SMART objectives; Site selection; Request for Proposal; budgetary concern and cost control. Organizing and directing; Housing; specification guide; Pre & Post meeting; controlling in MICE events.</p>	8
III	<p>Key Players of MICE – DMOs, history of DMOs, role and functions of DMOs, Marketing, Sales, and Services offered by DMOs, DMOs Association—DMAI</p> <p>MICE Venues- Hotels, Convention Centers, Conference Centers Retreat Facilities, Cruise Ships, Specific Use Facilities, Colleges and Universities, Unusual Venues and related issues.</p> <p>A Brief Overview of Exhibitions, Service Contractors, Special Events Management</p>	8
IV	<p>Important Elements in MICE - Food and Beverage issues in MICE; brief overview of legal issues in MICE, Technology and the Meeting Professional, concept of Green Meetings and Social Responsibility, International issues in MICE.</p>	7
V	<p>MICE MANAGEMENT (PRACTICAL)</p> <ul style="list-style-type: none"> ▪ Simulate various MICE career roles (planner, exhibitor, sales manager) and present job profiles. ▪ Plan a hypothetical MICE event with need analysis, SMART objectives, budget, RFP. ▪ Use a sample event budget and perform cost-control exercises. ▪ Create and fill a matrix evaluating 3 venues based on site selection criteria. ▪ Draft feedback forms and evaluation reports for pre-event and post-event analysis. ▪ Conduct a field visit to a hotel or convention center and submit a venue audit. ▪ List services provided by contractors for exhibitions and create a contractor checklist. ▪ Plan F&B menus for 3 different MICE events, considering audience profiles. ▪ Evaluate an event based on sustainability practices using a checklist. ▪ Explore and demonstrate usage of event tech platforms or hybrid tools. 	60
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> ● Class Participation: 04 Marks ● Seminar/presentation/assignment/quiz/class test etc.: 04 Marks ● Mid-Term Exam: 07 Marks ➤ Practicum <ul style="list-style-type: none"> ● Class Participation: 05 ● Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks ● Mid-Term Exam: NA 		<p>End Term Examination:</p> <p>End Term Exam Theory Marks: 35</p> <p>End Term Exam Practical: 35</p>

Part C-Learning Resources

- Fenich, George G, Meetings, Expositions, Events, and Conventions, India: Pearson Education Inc
- Lynn V. and Brenda R., Event Management, Pearson Publication, New Delhi
- Van der Wagen, L. & Carlos, B.R. (2005). Event management for tourism cultural, Business and Sporting Events, Upper Saddle River, N.I. Pearson, Prentice Hall.
- S.N. Bagchi and Anita Sharma Food and Beverage Service, Aman Publication New Delhi.
- Lawson, F.R. Congress, Conventions and Conference: facility Supply and demand International Journal of Tourism management, September, 18-8-1980.
- Goldblatt, JJ Special Events: Art and Science of Celebration New York, Van Nostrand Reinhold, 1990.

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	III		
Name of the Course	Emerging Technology in Event Management		
Course Code	B25-EVM-302		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-B3		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To introduce students to the basic technological tools and innovations used in event management. 2. To explain how technology improves event planning, coordination, marketing, and audience experience. 3. To provide simple, real-world examples of how events are supported by digital tools. 4. To prepare students for entry-level roles in event organizing, hospitality, or travel companies with tech awareness. 5. To get exposure about emerging technology in event industry. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
<p>Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.</p>			
Unit	Topics		Contact hours

I	Introduction to Event Technology Event technology-Concept and Importance in Modern Events; Importance of technology in modern events; Types of events and how they use technology (weddings, conferences, concerts, festivals, etc.); Introduction to virtual and hybrid events in tourism and hospitality	7
II	Basic Planning Tools and Digital Communication Using MS Excel and Google Sheets for making event checklists and budgets; Drafting event invites and reports using MS Word; Using MS PowerPoint for event concept presentations; Using Google Forms for registration and feedback collection	7
III	Promoting Events Using Technology Digital invitations and e-posters; Social media as a promotion tool: Facebook, Instagram, YouTube; Creating simple event pages and using hashtags; Basics of content creation: event teasers, banners, and reels	8
IV	Trends and Responsible Use of Technology in Events Virtual events: organizing webinars or small virtual workshops; Sustainability through technology: paperless invites, digital brochures; Safety and security: use of mobile ticketing and contactless entry; Challenges of technology use: digital divide, over-reliance, technical issues	8
V	Emerging Technology in Event Management (PRACTICAL): <ul style="list-style-type: none"> • Design and list a mock cultural or educational event. • Create a digital ticket with QR code integration. • Use AI to design for an event invite. • Host a mock virtual or hybrid event (e.g., webinar or seminar) using platforms like Google Meet, Zoom etc. • Develop an Augmented Reality (AR)-enabled event poster. • Create and circulate a bilingual feedback form (Hindi/English). • Conduct an interactive quiz or poll. • Analyze feedback and engagement data collected from mock events using Google Sheets or Excel, including basic chart visualization. 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 04 Marks • Seminar/presentation/assignment/quiz/class test etc.: 04 Marks • Mid-Term Exam: 07 Marks ➤ Practicum <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 		End Term Examination: <p>End Term Exam Theory Marks: 35</p> <p>End Term Exam Practical: 35</p>

Part C-Learning Resources

- Fuchs, M., Gretzel, U., Höpken, W., & Xiang, Z. (Eds.). (2022). Handbook of e-tourism. Springer International Publishing. <https://doi.org/10.1007/978-3-030-05324-6>
- Lee, S. S., Boshnakova, D., & Goldblatt, J. (2017). The 21st century meeting and event technologies: Powerful tools for better planning, marketing, and evaluation. Apple Academic Press.
- Ryan, W. G. (2020). Managing international events. Taylor & Francis.
- Connell, J., & Page, S. J. (Eds.). (2020). The Routledge handbook of events. Routledge.

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	III		
Name of the Course	Banquet Operations and Management		
Course Code	B25-EVM-303		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-C3		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Showing growth & development of banquet. 2. Telling various buffet types and checklist. 3. Understanding of outdoor catering establishment. 4. Knowledge about gueridon service and equipments. 5. Get hand on operations different banquet operations. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.			
Unit	Topics		Contact hours
I	BANQUET MANAGEMENT AND FUNCTION CATERING: <ul style="list-style-type: none"> • History of banquets; types of banquets (formal and informal), organizational structure of banquet department, banquet style -sitting plans-theatre, class room etc. formal contract/memorandum, formal and informal gathering, theme functions 		8

II	BUFFET MANAGEMENT: <ul style="list-style-type: none"> • Introduction, Types of Buffets, equipments, Table layout and buffet setup and presentation, Checklist and its proper supervision, Food & Beverage control-its application. 	7
III	OUTDOOR CATERING/OFF PREMISES CATERING: <ul style="list-style-type: none"> • Introduction; types of catering establishment, transportation and service facilities, Establishment suppliers Food purchase storage and handling, Business Event management planning. 	8
IV	GUERIDON SERVICE: <ul style="list-style-type: none"> • History of gueridon, Definition and term gueridon, General points to be considered while doing gueridon, Advantages and disadvantages of gueridon services, Gueridon equipment's and ingredients, Method of service of common gueridon preparations. 	7
V	Banquet and Catering Management (PRACTICAL): <ul style="list-style-type: none"> • Table layout and services. • Layout and drawing of the functions prospectus and identifying its appropriate usage • Planning of different types of buffet presentation and setting of the counters. • Identification of buffet equipments. • Preparation of function checklist of buffet. • Assignment on buffet menu planning, • Seating plans of different Banquets. • To visit Hotels for Buffet Banquet and business events 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 04 Marks • Seminar/presentation/assignment/quiz/class test etc.: 04 Marks • Mid-Term Exam: 07 Marks ➤ Practicum <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 		End Term Examination: <p>End Term Exam Theory Marks: 35</p> <p>End Term Exam Practical: 35</p>
Part C-Learning Resources		
	<ul style="list-style-type: none"> • Food and Beverage Management-by Bernard Davis. • Food and Beverage Management-by jones. • Managing Service in Food and Beverage Operations-By Cichy and Wise. • Food and Beverage Service Training Manual- By S. Andrews. • Modern Restaurant a Manual for students and Practitioners-by Fuller. • Theory of catering-by Ronald kinton, Victor Ceseraniand David Foskett 	

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	III		
Name of the Course	Event Laws and Licenses		
Course Code	B25-EVM-304		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M3		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the Legal Environment for the MICE Business. 2. Acquainted with the Knowledge on the event establishment and GST framework. 3. Identify the various permissions required for Event management. 4. understand & discover challenges & issues involved in setting up of own event 5. Apply theoretical knowledge of laws through practical tasks and field experiences. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 04 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 04 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.			
Unit	Topics		Contact hours
I	Introduction to Law & Contract Act - The Indian Contract Act, Nature of contracts, Acceptance, Consideration, Essentials of a valid contract, Performance of contract. Tax Tips In Events - assessment year, previous year, assessee, residence in India, income from business, salaries, income tax slabs.		8
II	Shops And Establishment Act - Important terms, apprentice, child, commercial establishment, Establishment, registration of establishments. Service Tax For Event Management Services and Related Services - Basic concepts, Basic concepts of GST framework, Meaning of Client, Advertising, Valuation of Taxable Services, and Scope of Taxable Service.		7

III	Permissions- Permissions required for holding an event, general details, police permission, traffic police, ambulance, fire brigade, municipal corporation, Cancellation of events, Crowded management, Indian Performing Rights Society (IPRS) , Phonographic Performing License (PPL) Entertainment Tax, Alcohol licenses, Health & Safety requirements, Copyrights & Trademarks infringement, Permissions for Open Ground Events, auditorium show, entertainment tax, Approvals for Fire Usage, Event Security, Event Insurance	8
IV	Forming Your Own Event Company - Self Marketing your own event company, Event Company set -up, Budgeting, Sponsorship's, Public Relations, Event planning & Analysis, Event Production, Event Marketing, Event Evaluation, Event Equipment, Event Management Resources.	7
V	Event Laws and Licenses (Practical) <ul style="list-style-type: none"> • Application of laws and licenses in event management • Filing of returns related with events. • Indian Performing Rights Society (IPRS), Phonographic Performing License (PPL) Entertainment Tax, Alcohol licenses, Health & Safety requirements, Copyrights & Trademarks infringement, Permissions for Open Ground Events, auditorium show, entertainment tax, Approvals for Fire Usage, Event Security, Event Insurance. • Procedure and application of laws for Event Company set -up 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 4 Marks • Seminar/presentation/assignment/quiz/class test etc.: 4 Marks • Mid-Term Exam: 7 Marks ➤ Practicum <ul style="list-style-type: none"> • Class Participation: 5 Marks • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 		End Term Examination: <p>End Term Exam Theory Marks: 35</p> <p>End Term Exam Practical: 35</p>
Part C-Learning Resources		
	<ul style="list-style-type: none"> • Donald Getz, Stephen J. Page (2019) Event Studies - Theory, Research and Policy for Planned Events, Routledge , London. • Sanjaya Singh Gaur & Sanjay V. Saggere (2019), Event Marketing and Management ,Vikas Publishing , India • Anton, (2019) Successful Event Management, Cengage Learning EMEA • Manjula Chaudhary, (2010) TOURISM MARKETING, OXFORD, India • Annie Stephen, . Neerupa Chauhan, and Nidhi Raj Gupta(2024) Event Management, Himalaya Publishing House Pvt.Ltd • Ram Kumar (2024) Basics of Event Management, Vijay Nicole Imprints Private Limited, • Vipin Nadda , Ian Arnott and Wendy Sealy (2020) ,Legal, Safety, and Environmental Challenges for Event Management: Emerging Research and Opportunities (Advances in Logistics, IGI Global USA. 	

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	IV		
Name of the Course	Business Research Methods		
Course Code	B25-EVM-401		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC –A4		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: 1: Learn the basic concepts like research, variables, research methods, 2: Knowledge of research design 3: Be acquainted with prerequisite knowledge required to understand the sampling and applications of sampling theory. 4: To understand the concept of correlation regression analysis and their applications. 5: To apply the learnt techniques in statistical testing and their applications.		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
Instructions for Paper- Setter			
Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.			
Unit	Topics		Contact hours
I	Business Research– Meaning, types, managerial value of business research; theory and research– components, concept, constructs definition variables, proposition and hypothesis, deductive and inductive theory; nature and process and importance of problem definition, purpose and types of research proposal, ingredients of research proposal.		7
II	Research Design– Meaning, classification and elements of research design, methods and categories of exploratory research, basic issues in experimental design, classification of experimental design; concept and their measurement, measurement scales.		7

III	Sample design and sampling procedure, determination of sample size, research methods of collecting primary data, and issues in construction of questionnaire.	8
IV	Stages of data analysis, nature and types of descriptive analysis, uni-variate and bivariate tests of statistical significance, meaning and types of research report, ingredients of research report.	8
V	Business Research Methods (Practical) <ul style="list-style-type: none"> • Clearly articulating the specific business issue or opportunity that requires investigation. • Examining existing research and information related to the problem to gain a better understanding and identify potential gaps. • Development of research proposal • Developing a testable statement or prediction about the relationship between variables. • Employing various methods to gather information, including surveys, interviews, observations, and experiments. • Applying statistical or qualitative techniques to interpret the collected data and identify patterns and insights. • Preparation of Research report with findings and conclusions of the research in a clear and concise manner, often including recommendations for action 	60
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 04 Marks • Seminar/presentation/assignment/quiz/class test etc.: 04 Marks • Mid-Term Exam: 07 Marks ➤ Practicum <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 		End Term Examination: <p>End Term Exam Theory Marks: 35</p> <p>End Term Exam Practical: 35</p>
Part C-Learning Resources		
	<ul style="list-style-type: none"> • William G. Zikmund.(2013) Business Research Methods. Thomson India. New Delhi. • Alan Bryman and Emma Bell. (2015) Business Research Methods. Oxford University Press. New Delhi. • Donald R. Cooper, Pamela S. Schindler, and J. K. Sharma.(2020) Business Research Methods. McGraw Hill Education (India). New Delhi. • Uma Sekaran and Roger Bougie (2016) Research Methods for Business A Skill-Building Approach , John Wiley & Sons Ltd, United Kingdom. • Karunakaran , K (2019) Business Research Methods – Text and Cases , Himalaya Publishing House , New Delhi 	

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	IV		
Name of the Course	Event Entrepreneurship		
Course Code	B25-EVM-402		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-B4		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand key principles of entrepreneurship in the context of event management. 2. Identify opportunities and develop business models for event ventures. 3. Apply marketing, financial, and operational strategies for event startups. 4. Pitch and evaluate event-based entrepreneurial ideas. 5. Apply theoretical knowledge through practical tasks and field experiences. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.			
Unit	Topics		Contact hours
I	Unit 1: Fundamentals of Entrepreneurship & Intrapreneurship Entrepreneur: Meaning, Functions, and Types; Intrapreneur: Concept and Role in Event Industry; Factors Influencing Entrepreneurial Development		7

	Entrepreneurship: Concept, Meaning, and Definitions; Importance of Entrepreneurship in the Event Industry; Characteristics of Event Entrepreneurs; Development of Entrepreneurship in India; Stages in the Entrepreneurship Process; Functions and Classification of Entrepreneurs; Entrepreneurial Mindset in Indian Cultural & Business Event Scenarios	
II	Planning & Establishing Event Ventures Writing Event Business Plans: Structure and Key Elements; Business Model Canvas for Events (with Examples); Legal & Ethical Issues in Event Entrepreneurship; Regulatory Requirements: Permits, Contracts, Insurance; Risk Assessment and Management for Event Startups; Event Branding and Identity Creation; Digital and Experiential Marketing Strategies; Sponsorship Acquisition: Proposal Writing and Pitching; Stakeholder Engagement Techniques	7
III	Funding, Finance & Return Analysis Funding Sources for Event Startups: Bootstrapping, Angel Investors, Partnerships, Crowdfunding in Indian Context Pricing Strategy for Events: Models and Tools; ROI Analysis for Events: Pre and Post Evaluation; Budgeting and Financial Planning for Events. Financial Sustainability of Event Startups; Case Studies of Successful Indian Event Ventures	8
IV	Execution, Innovation & Growth Strategies Operations and Logistics in Event Startups; Measuring Event Success: KPIs and Feedback Systems; Role of Innovation and Technology in Event Management; Crisis Management and Contingency Planning; Scaling Up Event Businesses: Regional, National, and International Expansion, Challenges and Success Factors Government Schemes & Startup Policies: Startup India, MSME Schemes, MUDRA Loans, Event-specific incentives and incubation centers	8
V	Event Entrepreneurship (PRACTICAL): <ul style="list-style-type: none"> • Interview of a corporate event manager (intrapreneur role) and present findings • Group presentation: Social, economic, and personal factors influencing event startups in India • Conduct a peer survey and create a profile of a successful event entrepreneur • Create a full event business plan in groups (targeting a festival, concert, or MICE event) • Design a BMC for an innovative Indian event (e.g., eco-fair, regional wedding expo) • Draft a basic contract and checklist for compliance (noise, fire, crowd control, permissions) • Design a logo, tagline, and visual theme for a hypothetical event startup • Create a social media calendar and basic Instagram ad campaign for an event • Create a detailed event budget spreadsheet using MS Excel • Create a fact sheet on 5 key Indian startup schemes applicable to event startups (Startup India, MUDRA, MSME, etc.) 	60
	Suggested Evaluation Methods	
Internal Assessment: ➤ Theory		End Term Examination:

<ul style="list-style-type: none"> • Class Participation: 04 Marks • Seminar/presentation/assignment/quiz/class test etc.: 04 Marks • Mid-Term Exam: 07 Marks <p>➤ Practicum</p> <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 	<p>End Term Exam Theory Marks: 35</p> <p>End Term Exam Practical: 35</p>
---	--

Part C-Learning Resources

	<ul style="list-style-type: none"> • Dynamics of Entrepreneurship Development – Vasant Desai. • Entrepreneurship: New Venture Creation – David H. Holt • Entrepreneurship Development New Venture Creation – Satish Taneja, S.L.Gupta • Project management – K. Nagarajan. • Entrepreneurship: Strategies and Resources – Marc J. Dollinger • The Culture of Entrepreneurship – Brigitte Berger. • Innovation and Entrepreneurship – Peter F. Drucker • Entrepreneurship – Robert D. Hisrich, Michael P. Peters, Dean A. Shepherd • Entrepreneurship as Strategy – G. Dale Meyer, Kurt A. Heppard • New Vistas of Entrepreneurship: Challenges & Opportunities – A. Sahay, M.S.Chhikara • Entrepreneurship and Small Business Management – Siropolis • The Entrepreneurial Connection - Gurmeet Naroola • Thought Leaders – Steven Brandt. • Corporate Entrepreneurship – Vijay • Corporate Entrepreneurship: Entrepreneurial Development Inside Organizations – Michael H.Morris, Donald F.Kuratk • Peter F., Drucker, Innovation and Entrepreneurship, 1985, Harper; NY • 12. Richard Duncombe, • Richard Heeks and Sunil Abraham, (2005) A Handbooks for Entrepreneurs in India, Institute for Development Policy and Management (IDPM), UK 	
--	--	--

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	IV		
Name of the Course	Specialized Event Management		
Course Code	B25-EVM-403		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-C4		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the concept and destination trends of weddings with a focus on site selection and cultural preferences. 2. Learn to plan and manage guest logistics, vendors, budgeting, and risk in destination weddings. 3. Gain skills to organize corporate meetings with effective planning, technological use, and hospitality services. 4. Understand the planning, coordination, and stakeholder management of large-scale fairs and cultural festivals. 5. Apply theoretical knowledge through practical tasks and field experiences. 		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6
Max. Marks: 100		Time: 3 Hrs	
Internal Assessment Marks: = 30			
End Term Exam Marks: = 70			
Part B-Contents of the Course			
<u>Instructions for Paper- Setter</u>			
<p>Total number of questions set will be nine. Question no. 1 is compulsory covering the entire syllabus and will have 07 short answer type questions of 1 mark each. Two questions will be set from each unit. Students have to attempt five questions in all selecting one question from each unit including the compulsory question. Each question is of 07 marks. All questions carry equal marks. The duration of time allowed in final theory exam will be 3 hours.</p>			
Unit	Topics		Contact hours

I	<p>Destination Wedding Management – I</p> <p>Introduction to destination weddings: Concepts & significance, Indian vs international wedding destination trends, Site selection and venue types (palaces, beaches, resorts); Understanding client preferences and cultural elements. Major wedding destination of India Udaipur, Jaipur, Goa, Kerala, New Delhi</p>	7
II	<p>Destination Wedding Management – II</p> <p>Detailed planning: guest management, logistics, permissions; Vendor management: catering, décor, photography, entertainment; Budget preparation and negotiation; Role of wedding planners and agencies. Risk management: weather, cancellations, backup planning</p>	7
III	<p>Business Meeting Management</p> <p>Introduction to corporate meetings (board meetings, AGMs, seminars); Planning process: agenda, timing, venue, AV requirements; Role of technology in modern meetings (Zoom, hybrid models); Hospitality services: F&B, guest handling, technical staff; Major meeting management such as AGM, Business Bodies Conclave, hotel-based meetings etc.</p>	8
IV	<p>Fair & Festival Planning</p> <p>Introduction to Indian fairs and festivals as events; Planning religious, seasonal, and cultural festivals (Kumbh Mela, Pushkar Fair, Surajkund Mela, Geeta Jayanti International Festival); Permissions, crowd control, security & waste management; Stakeholders: local bodies, sponsors, artisans, media</p> <p>Government role and tourism promotion</p>	8
V	<p>Specialized Event Management (PRACTICAL):</p> <ul style="list-style-type: none"> • prepare a comparison chart of Indian vs. international wedding destinations. • Design a venue selection matrix for 3 types of weddings (royal, beach, heritage). • Role-play where students act as planners and interview a 'client couple' to understand their preferences. • Prepare a real-world budget for a 3-day destination wedding (with Excel). • Design a contingency plan for a wedding facing weather disruption. • Use software or drawing tools to plan the layout for a seminar with AV setup. • Organize a hybrid meeting using Zoom or MS Teams involving both in-person and online participants. • Prepare a regional map highlighting major festivals and their economic/cultural impact. • Design a basic crowd flow chart and emergency exit plan for a large-scale festival. • Design a digital promotion strategy (Instagram/Facebook) for a selected Indian fair. 	60
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation: 04 Marks • Seminar/presentation/assignment/quiz/class 		<p>End Term Examination:</p>

<p>test etc.: 04 Marks</p> <ul style="list-style-type: none"> • Mid-Term Exam: 07 Marks <p>➤ Practicum</p> <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Marks • Mid-Term Exam: NA 	<p>End Term Exam Theory Marks: 35</p> <p>End Term Exam Practical: 35</p>	
<p>Part C-Learning Resources</p>		
	<ul style="list-style-type: none"> • Malone, S. (2016). How to plan your own destination wedding: Do-it-yourself tips from an experienced professional. Skyhorse Publishing. • Gupta, A. (2013). The ultimate guide to wedding planning and management. Rupa Publications. • Allen, J. (2010). Event planning: The ultimate guide to successful meetings, corporate events, fundraising galas, conferences, conventions, incentives, and other special events. John Wiley & Sons. • Gaur, S. S., & Saggere, S. V. (2003). Event marketing and management. Vikas Publishing House. • Tum, J., Norton, P., & Wright, J. N. (2006). Management of event operations. Routledge. • Kilkenny, S. (2016). The complete guide to successful event planning. Atlantic Publishing Group. • Van Der Wagen, L., & White, L. (2018). Event management: For tourism, cultural, business and sporting events (5th ed.). Cengage Learning. • Getz, D. (2012). Event studies: Theory, research and policy for planned events (2nd ed.). Routledge. 	

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	V		
Name of the Course	Apprenticeship		
Course Code	B25-EVM-501		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	PROJECT		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	1: To get Apprenticeship training in any one major operational department of the hotel/allied sector.		
Credits	Theory	Practical	Total
	0	0	20
Contact Hours	0	20-22 Weeks	20-22 Weeks
Max. Marks: 500			
A. Marks by establishment: 125			
B. Marks by faculty mentor: 125			
C. Marks through Presentation/Viva-Voce: 250			
Part B-Contents of the Course			
<u>Instructions for Examiner</u>			
The evaluation will be done on the basis of viva-voce and log book by the examiner.			
Suggested Evaluation Methods			
Internal Assessment:		End Term Examination:	
➤ Practicum <ul style="list-style-type: none"> • Class Participation: NA • Marks by establishment: 125 • Marks by faculty mentor: 125 • Seminar/Demonstration/Viva-voce/Lab records etc.: NA • Mid-Term Exam: NA 		End Term Exam (Presentation & viva-voce): 250 Marks	

Session: 2025-26			
Part A – Introduction			
Programme	Bachelor of Management Studies (Event Management)		
Semester	VI		
Name of the Course	Apprenticeship		
Course Code	B25-EVM-601		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	PROJECT		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO):	1: To get Apprenticeship training in any one major operational department of the hotel/allied sector.		
Credits	Theory	Practical	Total
	0	0	20
Contact Hours	0	20-22 Weeks	20-22 Weeks
Max. Marks: 500			
A. Marks by establishment: 125			
B. Marks by faculty mentor: 125			
C. Marks through Presentation/Viva-Voce: 250			
Part B-Contents of the Course			
<u>Instructions for Examiner</u>			
The evaluation will be done on the basis of viva-voce and log book by the examiner.			
Suggested Evaluation Methods			
Internal Assessment:		End Term Examination:	
➤ Practicum <ul style="list-style-type: none"> • Class Participation: NA • Marks by establishment: 125 • Marks by faculty mentor: 125 • Seminar/Demonstration/Viva-voce/Lab records etc.: NA • Mid-Term Exam: NA 		End Term Exam (Presentation & viva-voce): 250 Marks	

Kurukshetra University, Kurukshetra

(Established by the State Legislature Act-
XII of 1956) (“A++” Grade, NAAC
Accredited)



Syllabus for Post Graduate Programme M.A. Journalism & Mass Communication

**as per NEP 2020
Curriculum and Credit Framework for Postgraduate Programme
With Multiple Entry-Exit, Internship and CBCS-LOCF
With effect from the session 2025-26 (in phased manner)**

**Institute of Mass Communication and Media Technology
Faculty of commerce and management**

**Kurukshetra University, Kurukshetra, 136119
Haryana, India**

Programme Learning Outcomes (PLOs) of M.A. Journalism & Mass Communication Programme as per NEP-2020

PLOs	M.A. Journalism & Mass Communication
	After the completion of Master degree in Journalism & Mass Communication the student will be able to:
PLO-1: Knowledge and Understanding	Demonstrate the fundamental and advanced knowledge of the subject and understanding of recent developments and issues, including methods and techniques related to Journalism and Mass Communication.
PLO-2: General Skills	Acquire the general skills required for performing and accomplishing the tasks as expected to be done by a skilled professional in the fields of Journalism and Mass Communication.
PLO-3: Technical/ Professional Skills	Demonstrate the learning of advanced cognitive technical/professional skills required for completing the specialized tasks related to the profession and for conducting and analyzing the relevant research tasks in different domains of Journalism and Mass Communication.
PLO-4: Communication Skills	Effectively communicate the attained skills of Journalism and Mass Communication in well-structured and productive manner to the society at large.
PLO-5: Application of Knowledge and Skills	Apply the acquired knowledge and skills to the problems in the subject area, and to identify and analyze the issues where the attained knowledge and skills can be applied by carrying out research investigations to formulate evidence-based solutions to complex and unpredictable problems associated with the field of Journalism and Mass Communication or otherwise.
PLO-6: Critical thinking and Research Aptitude	Attain the capability of critical thinking in intra/inter-disciplinary areas of Journalism and Mass Communication enabling to formulate, synthesize, and articulate issues for designing of research proposals, testing hypotheses, and drawing inferences based on the analysis.
PLO-7: Constitutional, Humanistic, Moral Values and Ethics	Know constitutional, humanistic, moral and ethical values, and intellectual property rights to become a scholar/professional with ingrained values in expanding knowledge for the society, and to avoid unethical practices such as fabrication, falsification or misrepresentation of data or committing plagiarism.
PLO-8: Capabilities/qualities and mindset	To exercise personal responsibility for the outputs of own work as well as of group/team and for managing complex and challenging work(s) that requires new/strategic approaches.
PLO-9: Employability and job-ready skills	Attain the knowledge and skills required for increasing employment potential, adapting to the future work and responding to the rapidly changing demands of the employers/industry/society with time.

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	3		
Name of the Course	Development Communication		
Course Code	M24- JMC- 301		
Course Type	CC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To introduce students to the concepts and theories of development and development communication. • To examine the role of media and communication in socio-economic and political development. • To analyze communication strategies used in health, education, environment, and rural development. • To critically explore participatory communication and ICT-based interventions in development. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	<p>Introduction to Development and Communication Concepts and indicators of development (GDP, HDI, SDGs) Evolution of development paradigms: modernization, dependency, participatory development Definition, scope, and importance of development communication Theories of development communication: Diffusion of Innovations, Agenda Setting, Participatory Models Role of communication in policy, governance, and social change</p>		15

II	Media and Development Role of traditional media (folk media, community radio) in development Use of print, radio, television, and digital media for developmental messaging Government and international initiatives (UNESCO, UNICEF, WHO campaigns) Case studies of media-led development campaigns in India and abroad Ethical considerations in development reporting	15
III	Key Sectors in Development Communication Communication in health, education, and sanitation campaigns Environmental communication and climate change awareness Rural development and agricultural extension communication Gender and development communication Disaster communication and risk reduction strategies	15
IV	Participatory Communication and ICTs for Development Participatory rural appraisal (PRA) and community media ICT4D: Internet, mobile phones, and apps in development Social media and digital inclusion in marginalized communities Development communication project planning and evaluation Future trends in development communication	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Dr. Madhu Deep Singh , Media Plurality and Diversity ,2018 2. Srinivas R. Melkote & H. Leslie Steeves – Communication for Development in the Third World 3. Nora Quebral – Development Communication Primer 4. Everett M. Rogers – Diffusion of Innovations 5. Servaes, Jan – Approaches to Development Communication 6. UNESCO Reports on Development Communication 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	3		
Name of the Course	Advertising and Public Relations		
Course Code	M24- JMC- 302		
Course Type	CC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: To nurture a deep sense and understanding about basic concepts of advertising CLO 2: To develop understanding about structure and functioning of advertising agency. CLO 3: To be familiarized with the concept of campaign planning CLO 4: To understand the concept of advertising research		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Concept, definitions and process of public relations Need and scope of public relations Tools of public relations Growth and development of PR with special reference to India Careers in PR		15
II	Public relations- advertising-propaganda-publicity-corporate communication: similarities and differences PR set-up in private and public sectors PR agency- structure and functions		15
III	Concept, definitions and process of advertising Need and scope of advertising Growth and development of advertising with special reference to India Careers in advertising		15
IV	Process of preparing print advertisements Process of preparing radio jingles		15

Process of preparing television commercials			
Introduction to outdoor advertising			
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
● Class Participation:	5	Written Examination	
● Seminar/presentation/assignment/quiz/class test etc.:	10		
● Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ● <i>The Bare Bones Camera Course for Film and Video</i> by Tom Schroepfel ● <i>Digital Video Editing</i> by Ken Dancyger ● Online tutorials on video shooting and editing software ● Sample documentaries and news video reports for analysis 			

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	3		
Name of the Course	Photo Journalism		
Course Code	M24- JMC- 303		
Course Type	DEC-1		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To understand the role and evolution of photojournalism in media. • To develop technical skills in photography, editing, and visual storytelling. • To critically analyze ethical and legal issues related to photojournalism. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Photojournalism Definition, scope, and history of photojournalism Role of photojournalists in news media and society Key figures and landmark moments in photojournalism Differences between photography and photojournalism Basic ethics and responsibilities of a photojournalist		15
II	Camera Operations and Techniques Understanding DSLR/mirrorless cameras: types, components, settings Exposure triangle: ISO, shutter speed, aperture Composition techniques: rule of thirds, framing, leading lines, depth Lighting (natural and artificial) in field photography Capturing action, emotion, and atmosphere in live settings		15
III	News Photography and Visual Storytelling Covering different beats: politics, conflict, sports, human interest, environment		15

	Photo essays and visual narratives Caption writing and photo editing for publication Workflow: planning, shooting, selecting, and post-processing Use of photojournalism in print, web, and social media	
IV	Legal, Ethical, and Professional Aspects Copyright, consent, and privacy issues Manipulation and authenticity in digital photography Codes of conduct (NPPA, SPJ, PCI) Risk and safety for photojournalists in conflict zones Career opportunities and building a photojournalism portfolio	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Kenneth Kobre – Photojournalism: The Professionals' Approach 2. Bystrom & Neale – Photojournalism: An Ethical Approach 3. Ang, Tom – Fundamentals of Photography 4. Susan Sontag – On Photography 5. John Berger – Ways of Seeing 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	3		
Name of the Course	Media Management & Marketing		
Course Code	M24- JMC- 304		
Course Type	DEC-1		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To understand the fundamentals of managing media organizations and platforms. • To explore marketing strategies specific to print, electronic, and digital media. • To provide insights into audience development, media monetization, and branding. • To study challenges and innovations in the evolving media business ecosystem. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Media Management Nature and scope of media management Structure and operations of media organizations: print, TV, radio, digital Ownership patterns: private, public, cross-media, conglomerates Revenue models: advertising, subscription, syndication, sponsorship Challenges in managing media organizations in the digital age		15
II	Media Marketing and Audience Analysis Principles of marketing and their application to media products Market segmentation, targeting, and positioning in media Audience research: tools, techniques, and interpretation Media buying and planning: TRP, readership, impressions,		15

	engagement Product lifecycle and content marketing in media	
III	Branding and Promotion in Media Brand building strategies for media houses and content Promotional mix: advertising, PR, events, social media Content as a brand: television shows, podcasts, web series, newspapers Use of influencers, partnerships, and cross-promotion Case studies of successful media marketing campaigns	15
IV	Strategic and Digital Media Management Strategic planning and innovation in media business Budgeting, cost control, and resource allocation Digital transformation: OTT platforms, mobile-first strategies, and automation Managing teams and leadership in creative environments Legal and ethical issues in media management and marketing	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Alan B. Albarran – Media Management and Economics 2. Dennis F. Herrick – Media Management in the Age of Giants 3. Philip Kotler & Kevin Keller – Marketing Management 4. Ardyth Broadrick Swafford – Media Marketing: A Strategic Approach 5. David Croteau & William Hoynes – Media/Society: Industries, Images, and Audiences 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	3		
Name of the Course	Data Journalism		
Course Code	M24- JMC- 305		
Course Type	DEC-1		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To introduce the principles and practices of data-driven journalism. • To train students in sourcing, analyzing, interpreting, and presenting data for storytelling. • To develop competencies in data visualization and the use of open-source tools. • To explore ethical, legal, and editorial standards in data reporting. • 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Foundations of Data Journalism Definition, history, and evolution of data journalism Importance of data journalism in the digital age Role of data in investigative journalism and accountability reporting Key differences between traditional journalism and data journalism Newsroom integration and collaborative workflows (e.g., reporters + developers + designers)		15
II	Data Sourcing and Verification Identifying reliable data sources: government portals, RTI, APIs, datasets Web scraping basics and using open data platforms (e.g., data.gov.in, Kaggle) Data formats and cleaning techniques (CSV, Excel, JSON, etc.)		15

	Tools for cleaning data (OpenRefine, Excel, Google Sheets) Data verification and fact-checking methods	
III	Data Analysis and Interpretation Understanding types of data: quantitative vs. qualitative Basic statistics for journalists: averages, percent change, trends, correlations Using spreadsheets for analysis: filtering, pivot tables, formulas Introduction to tools like Google Sheets, Tableau Public, Datawrapper Interpreting and contextualizing numbers for the public	15
IV	Visual Storytelling and Publishing Principles of data visualization: clarity, accuracy, and design Types of visualizations: bar charts, pie charts, maps, timelines, heat maps Using tools like Flourish, Infogram, Datawrapper, and Tableau for storytelling Embedding visualizations into web stories and interactive features Ethics in data journalism: privacy, bias, representation, and misinterpretation	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Jonathan Gray, Liliana Bounegru, and Lucy Chambers – The Data Journalism Handbook 2. Steve Lohr – Data-ism: The Revolution Transforming Decision Making 3. Aron Pilhofer & Sarah Cohen – Articles and case studies from NICAR and ICIJ 4. Alberto Cairo – The Functional Art: An Introduction to Information Graphics and Visualization 5. Brant Houston – Computer-Assisted Reporting: A Practical Guide 6. Dr. Madhu Deep Singh , Media Plurality and Diversity ,2018 		

Session: 2025-26			
Part A – Introduction			
Name of the Programme	M.A. Journalism & Mass Communication		
Semester	3		
Name of the Course	Ad & PR Lab		
Course Code	M24-JMC-307		
Course Type	PC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To provide hands-on experience in designing and executing advertising and PR campaigns. • To build proficiency in creative copywriting, branding, media planning, and PR writing. • To simulate real-world agency and corporate communication environments. • To plan, shoot, and edit a short video for Ad 		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B- Contents of the Course			
Instructions for Practical: Each student will develop a portfolio compiling the below given exercises for End term exam, showcasing applications of computer in journalism.			
Practical Assignments			Contact Hours
<ol style="list-style-type: none"> 1. Prepare ppt on Advertising Copywriting 2. Write ad copy for print, radio, and digital media (headline, body copy, call-to-action). 3. Print Ad Design 4. Design a newspaper or magazine ad layout using tools like Canva, Photoshop, or InDesign. 5. Radio/Audio Commercial Production 6. Script, record, and edit a 20–30 second radio spot (jingle or product promo). 7. TV/Video Commercial Production 8. Plan, shoot, and edit a short video ad (30–60 seconds) using mobile or DSLR and basic editing tools. 9. Brand Strategy and Positioning 10. Develop a brand identity for a hypothetical product or service including name, logo, tagline, and target audience. 11. Social Media Ad Campaign 12. Create a 1-week mock social media ad campaign 			120

	(Instagram/Facebook/Twitter) with posts, visuals, and copy. 13. Press Release Writing 14. Draft a professional press release for a product launch, event, or crisis communication scenario. 15. Media Kit Development 16. Prepare a basic media kit with press release, fact sheet, executive bio, images, and contact info. 17. Public Relations Campaign Plan 18. Design a comprehensive PR campaign for an NGO, brand, or event including objectives, strategies, and tactics. 19. Crisis Communication Simulation 20. Role-play a media crisis situation and prepare response statements, FAQs, and press briefings.	
Total Contact Hours		120
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Practicum	30	➤ Practicum 70
● Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical
● Demonstration/Presentation/ Lab Work:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
●		

Session: 2025-26			
Part A – Introduction			
Name of the Programme	M.A. Journalism & Mass Communication		
Semester	3		
Name of the Course	Photography Portfolio		
Course Code	M24-JMC-308		
Course Type	PC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To help students develop a strong and diverse professional photography portfolio. • To practice various photography styles, techniques, and editing methods. • To understand composition, lighting, subject treatment, and storytelling through visuals. • To enhance students’ ability to critique and curate their own work for presentation. 		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B- Contents of the Course			
Instructions for Practical: Each student will develop a portfolio compiling the below given exercises for End term exam, showcasing applications of computer in journalism.			
Practical Assignments			Contact Hours
	<ol style="list-style-type: none"> 1. Basics of Composition and Lighting 1. 2.Practice shooting using the rule of thirds, symmetry, leading lines, and natural vs. artificial lighting. 2. 3.. Portrait Photography 3. Capture expressive and technically sound indoor/outdoor portraits using natural and studio lighting. 4. Landscape and Nature Photography 5. Shoot landscapes with a focus on light, depth, weather, and environmental storytelling. 6. Street and Candid Photography 7. Document real-life moments in public spaces; focus on human stories, emotion, and spontaneity. 7. Product and Still Life Photography 8. Set up and shoot commercial-style photos of products with proper background, lighting, and styling. 8. Fashion or Editorial Photography 		120

<ul style="list-style-type: none"> 9. Plan and execute a creative fashion or editorial shoot, considering theme, styling, and posing. 9. Event Photography 10. Cover a real or mock event (seminar, cultural event, press conference) with attention to key moments and composition. 10. Photo Essay / Visual Storytelling 11. Develop a photo story (5–7 images) around a theme or social issue with captions and sequencing. 11. Post-Processing and Editing 12. Edit selected images using Adobe Lightroom or Photoshop; focus on color correction, cropping, and retouching. 13. Final Portfolio Curation and Presentation 14. Curate 12–15 best images into a digital or printed portfolio with thematic coherence and personal branding. 		
Total Contact Hours		120
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Practicum	30	➤ Practicum 70
● Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical
● Demonstration/Presentation/ Lab Work:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> 1. Kenneth Kobre – <i>Photojournalism: The Professionals' Approach</i> 2. Bystrom & Neale – <i>Photojournalism: An Ethical Approach</i> 3. Ang, Tom – <i>Fundamentals of Photography</i> 4. Susan Sontag – <i>On Photography</i> 5. John Berger – <i>Ways of Seeing</i> 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	3		
Name of the Course	Media Literacy Skills		
Course Code	M24- OEC-325		
Course Type	OEC		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To understand the basic concepts of Media Literacy, Digital Literacy, and News Literacy. • To identify deepfakes, misinformation, and algorithmic manipulation. • To differentiate between human-created and AI-generated content. • To acquire critical thinking skills for analyzing diverse media content. • To apply media literacy skills in the age of Artificial Intelligence. • To use information wisely and form independent opinions. 		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B-Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Foundations of Literacy and Media Literacy Literacy and Multiliteracies – Meaning & Concepts Media Literacy: Meaning, Scope and Evolution Elements of Media Literacy – Access, Analyze, Evaluate, Create, and Act Need and Importance of Media Literacy in the 21st Century Media Literacy vs General Media Education – Similarities and differences		7
II	Extended Versions of Media Literacy News Literacy – Definition, importance, and how it differs from general media literacy Digital Literacy – Tools, platforms, information navigation in a digital		8

	<p>environment Information Literacy vs Digital Literacy Visual Literacy and Data Literacy Media and Information Literacy (UNESCO Model) Media Literacy and Citizenship – Participation in democratic processes Media Literacy and Media Production – Engaging users as content creators AI and Media Literacy: Navigating Deepfakes, Algorithms, and Misinformation</p>	
III	<p>Critical Thinking, Message Interpretation, and Bias Critical Thinking in Media Literacy – Role, tools, and frameworks Message Construction and Interpretation – How meaning is encoded and decoded Propaganda in Media – Types, techniques, historical and contemporary examples Bias in Media – Understanding personal bias, media bias, corporate bias Detecting Biases in News and Content – Practical strategies Stereotypes, Framing and Agenda Setting Echo Chambers and Filter Bubbles – Role in information consumption</p>	7
IV	<p>Misinformation, Disinformation, Democracy, and Message Evaluation Misinformation vs Disinformation vs Malinformation Fake News and Deepfakes – Detection tools and ethical concerns Media Manipulation and Algorithms – How algorithms influence perception News Literacy and Democracy – Informed citizenry and participatory democracy Evaluating Messages as Media Consumers – Credibility, sourcing, intention Evaluating Messages as Media Producers – Ethics, accuracy, balance Media Regulation, Self-regulation and Fact-checking Agencies</p>	8
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory
• Class Participation:	4	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	4	
• Mid-Term Exam:	7	
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. मीडिया लिटरेसी: दूसरी परम्परा डॉ प्रदीप कुमार 2. Media Literacy: W.J Potter 3. Media Literacy:Key to Message Interpretation, Prof. Art Silverblatt. 4. The Misinformation age, Cailin O'Connor and James Owen Weatherall. 5. Alfred Hermida – Tell Everyone: Why We Share and Why It Matters 6. Paul Bradshaw – The Online Journalism Handbook 7. Nic Newman – Digital News Reports (Reuters Institute) 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Communication Research		
Course Code	M24- JMC- 401		
Course Type	CC-9		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To introduce foundational concepts and principles of communication research. • To enable students to design, conduct, and evaluate media and communication research projects. • To familiarize students with both quantitative and qualitative research methodologies. • To develop critical thinking and analytical skills in interpreting data and applying research findings. • 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Communication Research Meaning, purpose, and scope of communication research Types of research: basic, applied, descriptive, exploratory, explanatory Research paradigms: positivist, interpretive, critical The research process: identifying problems, objectives, questions, and hypotheses Ethics in research: informed consent, privacy, plagiarism, and data integrity		15
II	Research Design and Sampling Variables: independent, dependent, intervening, control		15

	<p>Research designs: experimental, survey, content analysis, case study, ethnography</p> <p>Probability and non-probability sampling methods</p> <p>Sample size determination and sampling errors</p> <p>Reliability and validity in research</p>	
III	<p>Methods of Data Collection</p> <p>Quantitative methods: surveys, structured interviews, experiments</p> <p>Qualitative methods: focus groups, in-depth interviews, observation, discourse analysis</p> <p>Content analysis: steps, coding, unit of analysis</p> <p>Tools for data collection: questionnaires, schedules, interview guides</p> <p>Pre-testing and piloting instruments</p>	15
IV	<p>Data Analysis, Interpretation, and Report Writing</p> <p>Data preparation and coding</p> <p>Basics of statistical analysis: mean, median, mode, standard deviation, correlation</p> <p>Use of software: SPSS, Excel, or online tools for data analysis</p> <p>Qualitative data interpretation: thematic analysis and narrative analysis</p> <p>Research report writing: structure, referencing, and presentation of findings</p>	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Wimmer, Roger D., & Dominick, Joseph R. – Mass Media Research: An Introduction 2. Berger, Arthur Asa – Media and Communication Research Methods 3. Stempel, Guido H. & Westley, Bruce H. – Research Methods in Mass Communication 4. Creswell, John W. – Research Design: Qualitative, Quantitative, and Mixed Methods Approaches 5. Kothari, C.R. – Research Methodology: Methods and Techniques 6. Dr. Madhu Deep Singh , Media Plurality and Diversity ,2018 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Digital Journalism		
Course Code	M24- JMC- 402		
Course Type	CC-10		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To understand the transformation of journalism in the digital and mobile-first era. • To develop skills in multimedia content creation, curation, and publishing. • To explore digital storytelling formats, tools, and platforms. • To understand the ethical, legal, and economic challenges facing digital journalism. • 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Evolution and Ecosystem of Digital Journalism Transition from traditional to digital journalism Characteristics of digital news: immediacy, interactivity, hypertextuality, multimedia Newsrooms in the digital age: convergence and integration Roles of journalists in digital platforms (e.g., data journalist, mobile journalist, social media editor) Rise of citizen journalism, independent platforms, and newsletters		15
II	Tools and Techniques of Digital News Production Writing and editing for web and mobile: headlines, SEO, links, multimedia integration Blogging, podcasting, and newsletter publishing		15

	Multimedia reporting: combining text, audio, video, and infographics Introduction to CMS platforms (WordPress, Substack, Medium) Mobile journalism (MoJo): tools, apps, and production workflow	
III	Digital Storytelling and Audience Engagement Interactive storytelling: timelines, maps, scrollytelling, sliders Visual journalism: use of images, videos, charts, and data visualization Social media as news platforms: Instagram, X (Twitter), YouTube, Threads Analytics and audience metrics: page views, bounce rate, CTR, engagement Engagement strategies: newsletters, comments, communities, live sessions	15
IV	Challenges, Ethics, and Trends in Digital Journalism Misinformation, disinformation, and fact-checking Copyright, plagiarism, and digital content licensing Online harassment, trolling, and safety of journalists AI in journalism: opportunities and ethical concerns Future of digital journalism: VR/AR journalism, automation, and paywall models	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Alfred Hermida – Tell Everyone: Why We Share and Why It Matters 2. Mark Briggs – Journalism Next: A Practical Guide to Digital Reporting and Publishing 3. Paul Bradshaw – The Online Journalism Handbook 4. Nic Newman – Digital News Reports (Reuters Institute) 5. Craig Silverman – Verification Handbook: For Digital Content 6. Dr. Madhu Deep Singh , Media Plurality and Diversity ,2018 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Health & Science Communication		
Course Code	M24- JMC- 403		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To understand the principles and importance of health and science communication. • To explore the role of media in public understanding of health and science issues. • To develop skills for creating clear, accurate, and engaging health and science messages. • To examine ethical, cultural, and social challenges in health and science communication. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Fundamentals of Health and Science Communication Definition, scope, and significance of health and science communication History and evolution of science and health communication in media Science communication models: deficit, dialogue, participatory Role of media in shaping public perception and policy on health and science Key concepts: risk communication, health literacy, scientific literacy		15
II	Media and Communication Strategies in Health and Science Media framing and representation of scientific and health issues Science journalism: reporting accuracy, sources, and credibility Health campaigns and behavior change communication Use of traditional, digital, and social media in health and science		15

	communication Role of NGOs, government, and international agencies in health communication	
III	Tools and Techniques for Health and Science Communication Simplifying complex scientific information for diverse audiences Visual communication: infographics, data visualization, and animations Storytelling techniques in health and science narratives Crisis communication and managing misinformation (pandemics, environmental issues) Engaging audiences: interactive platforms, community media, citizen science	15
IV	Ethical, Cultural, and Social Issues in Health and Science Communication Ethics in science and health reporting: accuracy, bias, sensationalism Privacy, consent, and confidentiality in health communication Cultural sensitivity and inclusivity in message design and dissemination Impact of misinformation, pseudoscience, and conspiracy theories Future trends: AI, personalized medicine, and emerging communication technologies	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Susanna Hornig Priest – Doing Media Research: An Introduction (Selected chapters) 2. Briggs, Charles L., & Hallin, Daniel C. – Making Health Public: How News Coverage is Shaping Media and Public Understanding 3. Martin Bauer & Massimiano Bucchi (Eds.) – The Science Communication Reader 4. David J. Helfand – Science and the Media 5. WHO and CDC communication guidelines and reports 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Media & Gender		
Course Code	M24- JMC- 404		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To analyze the representation of gender in various media forms and genres. • To understand how media shapes and challenges gender norms and stereotypes. • To explore feminist media theories and gender studies frameworks. • To develop critical awareness of media’s role in constructing identities and power relations. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Media and Gender Understanding gender: sex, gender, gender identity, and expression Historical context of gender studies and feminist media theory Media as a site of gender construction Theories: feminist theory, queer theory, masculinity studies Intersectionality: gender, race, class, sexuality in media		15
II	Gender Representation in Media Content Portrayal of women and men in news, films, advertising, television, and digital media Stereotypes, tropes, and symbolic annihilation Gender roles in reality shows, soap operas, and popular culture LGBTQ+ representation and visibility in media Analysis of gendered language and discourse in media texts		15

III	Media Industries, Audiences, and Gender Gender dynamics in media production and workplaces Women and marginalized genders in media professions Audience reception studies: gendered consumption and interpretation Social media, influencers, and gender performance online Feminist activism and counter-publics in media spaces	15
IV	Contemporary Issues and Media Policy on Gender Media regulation and gender rights: censorship, gender-sensitive policies Gender-based violence and media coverage Body politics, beauty standards, and advertising ethics Media campaigns for gender equality and social change Future directions: digital feminism, gender fluidity, and inclusive media	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. ** Liesbet van Zoonen** – <i>Feminist Media Studies</i> 2. ** Gill, Rosalind** – <i>Gender and the Media</i> 3. ** Judith Butler** – <i>Gender Trouble</i> (Selected excerpts) 4. ** Dines, Gail & Humez, Jean M.** – <i>Gender, Race, and Class in Media</i> 5. ** GLAAD Reports** – Media representation of LGBTQ+ communities 6. Dr. Madhu Deep Singh , <i>Media Plurality and Diversity</i> ,2018 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Regional Journalism		
Course Code	M24- JMC- 405		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To understand the role and importance of regional journalism in a diverse society. • To study the dynamics of regional language media and its impact on local communities. • To explore challenges and opportunities faced by regional journalists and media houses. • To develop skills in reporting, editing, and content creation for regional audiences. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Regional Journalism Definition and scope of regional journalism Historical evolution and growth of regional media in India and globally Role of regional journalism in democracy and cultural identity Regional languages and media landscape Regional vs. national and international journalism		15
II	Characteristics and Challenges of Regional Journalism Linguistic, cultural, and social diversity in regional reporting Issues of representation, bias, and stereotyping Economic and infrastructural challenges of regional media Technology and accessibility in regional journalism Press freedom and censorship at the regional level		15

III	Reporting and Content Creation in Regional Journalism Techniques and ethics of regional news reporting Investigative journalism at the regional level Use of local sources, vernacular expressions, and cultural context Role of regional journalists in community engagement and development Multimedia approaches in regional journalism	15
IV	Future of Regional Journalism Impact of digital media and mobile journalism on regional news Regional media convergence and cross-media collaborations Audience engagement and participation in regional news Policy and regulatory environment for regional media Case studies of successful regional journalism initiatives	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> ● G. S. Gopalakrishnan – <i>Regional Media in India: Growth and Challenges</i> ● Kanchan K. Malik – <i>Regional Language Journalism in India</i> ● Pradip Ninan Thomas – <i>The Media and the Indian Diaspora</i> (Selected chapters) ● Rajagopal, Arvind – <i>Politics After Television: Hindu Nationalism and the Reshaping of the Public in India</i> ● Reports from WAN-IFRA and UNESCO on regional media development ● Dr. Madhu Deep Singh , <i>Media Plurality and Diversity</i> ,2018 		

Session: 2025-26			
Part A – Introduction			
Name of the Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Newspaper Designing and Production		
Course Code	M24-JMC-407		
Course Type	PC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To develop practical skills in newspaper page design and production. ● To learn the use of industry-standard desktop publishing tools. ● To understand the workflow from content organization to print-ready layouts. ● To foster teamwork and editorial decision-making in newspaper production. 		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B- Contents of the Course			
Instructions for Practical: Each student will develop a portfolio compiling the below given exercises for End term exam, showcasing applications of computer in journalism.			
Practical Assignments			Contact Hours
10 Practical Sessions <ol style="list-style-type: none"> 1. Introduction to Newspaper Design Principles <ul style="list-style-type: none"> ○ Understanding grid systems, margins, columns, and whitespace ○ Basic typography for newspapers ○ Role of visual hierarchy and readability 2. Using Desktop Publishing Software <ul style="list-style-type: none"> ○ Introduction to Adobe InDesign/QuarkXPress or free alternatives (Scribus) ○ Navigating workspace, tools, and panels 3. Creating Newspaper Page Layouts <ul style="list-style-type: none"> ○ Designing front page and inner pages ○ Placing and formatting text blocks 4. Image Editing and Integration <ul style="list-style-type: none"> ○ Basics of Photoshop or GIMP for photo editing ○ Cropping, resizing, and optimizing images for print 			120

	<ul style="list-style-type: none"> 5. Headline and Text Styling <ul style="list-style-type: none"> ○ Choosing appropriate fonts and sizes for headlines and body text ○ Styling techniques: bold, italics, caps, color 6. Designing Advertisement Spaces <ul style="list-style-type: none"> ○ Integrating ads into layouts without disrupting flow ○ Balancing editorial and commercial content 7. Creating Infographics and Visual Elements <ul style="list-style-type: none"> ○ Designing charts, tables, and info boxes using Illustrator/Canva ○ Enhancing stories with visual data 8. Page Assembly and Proofing <ul style="list-style-type: none"> ○ Assembling all elements for final page composition ○ Proofreading and quality checks for print readiness 9. Generating Print-Ready PDFs and Output Settings <ul style="list-style-type: none"> ○ Exporting files with correct bleed, crop marks, and resolution ○ Understanding printing specifications 10. Mock Newspaper Production <ul style="list-style-type: none"> ○ Collaborative project: produce a 4-6 page newspaper edition ○ Roles rotation: editor, designer, proofreader, and production manager 	
Total Contact Hours		120
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Practicum	30	➤ Practicum
● Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical
● Demonstration/Presentation/ Lab Work:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
●		

Session: 2025-26			
Part A – Introduction			
Name of the Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Electronic Media Production		
Course Code	M24-JMC-408		
Course Type	PC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To develop technical and creative skills in electronic media production. • To learn the workflow of audio and video content creation. • To gain proficiency in industry-standard production equipment and software. • To foster teamwork, planning, and execution of media projects. 		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B- Contents of the Course			
Instructions for Practical: Each student will develop a portfolio compiling the below given exercises for End term exam, showcasing applications of computer in journalism.			
Practical Assignments			Contact Hours
10 Practical Sessions <ol style="list-style-type: none"> 1. Introduction to Electronic Media Production <ul style="list-style-type: none"> ○ Overview of production process: pre-production, production, post-production ○ Familiarization with equipment: cameras, microphones, lighting 2. Scriptwriting and Storyboarding for Electronic Media <ul style="list-style-type: none"> ○ Writing for audio-visual formats ○ Creating shot lists and storyboards 3. Camera Operation and Composition <ul style="list-style-type: none"> ○ Handling different types of cameras ○ Basic framing, angles, and camera movements 4. Lighting Techniques for Video Production <ul style="list-style-type: none"> ○ Three-point lighting setup ○ Using natural and artificial light 5. Audio Recording and Sound Design 			120

	<ul style="list-style-type: none"> ○ Microphone types and placement ○ Recording clean audio and background sounds <p>6. Video Shooting Practice</p> <ul style="list-style-type: none"> ○ Recording short interviews, vox pops, or features ○ Managing on-set production challenges <p>7. Introduction to Video Editing Software</p> <ul style="list-style-type: none"> ○ Basics of Adobe Premiere Pro, Final Cut Pro, or DaVinci Resolve ○ Importing footage, trimming, and sequencing <p>8. Editing Techniques and Effects</p> <ul style="list-style-type: none"> ○ Adding transitions, titles, and effects ○ Color correction and audio mixing <p>9. Producing Radio and Podcast Content</p> <ul style="list-style-type: none"> ○ Recording and editing audio programs ○ Creating jingles, promos, and soundscapes <p>10. Final Project: Producing a Short Electronic Media Piece</p> <ul style="list-style-type: none"> ● Collaborative production of a 3-5 minute video or radio segment ● Roles: producer, director, editor, sound engineer ○ 	
Total Contact Hours		120
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Practicum	30	➤ Practicum 70
● Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical
● Demonstration/Presentation/ Lab Work:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. Herbert Zettl – Television Production Handbook 2. Gerald Millerson & Jim Owens – Television Production 3. Robert Musburger – Single-Camera Video Production 4. Steve Wetzel – Video Production Techniques 5. Andrew Utterback – Studio Television Production and Directing 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Employment Opportunities & Entrepreneurship in Media		
Course Code	M24- JMC- 409		
Course Type	EEC		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To explore diverse employment opportunities across media sectors and roles. • To understand the evolving media landscape and emerging career trends. • To develop entrepreneurial skills relevant to media ventures and startups. • To learn business planning, funding, and management in media enterprises. 		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Overview of Media Employment Landscape Employment sectors: print, broadcast, digital, advertising, PR, film, gaming, social media Roles and career profiles: reporter, editor, producer, content creator, social media manager, etc. Skills and qualifications required for different media roles Trends impacting media jobs: digital disruption, AI, freelancing, gig economy		8
II	Career Development and Skill Enhancement Building a professional portfolio and resume for media jobs		7

	Networking, internships, and mentorship in media careers Soft skills: communication, creativity, adaptability, teamwork Personal branding and social media presence for career growth Professional certifications and continuous learning in media	
III	Media Entrepreneurship Fundamentals Understanding entrepreneurship and its relevance to media Types of media enterprises: startups, content agencies, production houses, digital platforms Identifying market opportunities and niche areas in media Business models in media: subscription, advertising, sponsorship, crowdfunding Legal, financial, and regulatory considerations in media ventures	8
IV	Planning and Managing Media Ventures Developing a media business plan: market analysis, objectives, strategies Funding sources: angel investors, venture capital, grants, self-funding Marketing and audience development for media products Managing teams, projects, and operations in media startups Case studies of successful media entrepreneurs and ventures	7
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory
● Class Participation:	4	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	4	
● Mid-Term Exam:	7	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Robert Picard – <i>The Economics and Financing of Media Companies</i> 2. Elizabeth Eisner Reding – <i>Entrepreneurship in the Media Industry</i> 3. David Hesmondhalgh – <i>The Cultural Industries</i> 4. Michael R. Solomon – <i>Marketing: Real People, Real Choices</i> (Chapters on media marketing) 5. Industry reports from NASSCOM, FICCI, and KPMG on media entrepreneurship 		

OR DISSERTATION/ PROJECT WORK

NOTE: IF A CANDIDATE OPTS FOR DISSERTATION/ PROJECT WORK @12 CREDITS IN 4TH SEMESTER, HE/SHE WILL STUDY CC-9, DEC-2 AND EEC COURSES ALONGWITH DISSERTATION/ PROJECT WORK

4	CC-9	M24-JMC-401	Communication Research	T	4	22	4	0	0	4	30	70	100	3
	DEC-2 (Choose any one out of M24-JMC-403 to M24-JMC-406)	M24-JMC-403	Health & Science Communication	T	4		4	0	0	4	30	70	100	3
		M24-JMC-404	Media and Gender	T	4		4	0	0	4	30	70	100	3
		M24-JMC-405	Regional Journalism	T	4		4	0	0	4	30	70	100	3
		M24-JMC-406	MOOC course from Swayam Portal or other approved portals of equal credits											
	EEC	M24-JMC-409	Employment Opportunities and Entrepreneurship in Media	T	2		2	0	0	2	15	35	50	3
	Dissertation/ Project Work	M24-JMC-410	Dissertation/ Project Work	D	12		0	0	0	12	0	300	300	

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Communication Research		
Course Code	M24- JMC- 401		
Course Type	CC-9		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To introduce foundational concepts and principles of communication research. • To enable students to design, conduct, and evaluate media and communication research projects. • To familiarize students with both quantitative and qualitative research methodologies. • To develop critical thinking and analytical skills in interpreting data and applying research findings. • 		
Credits	Theory	Practical	Total
	12	0	12
Teaching Hours per week	0	0	0
Internal Assessment Marks	0	0	0
End Term Exam Marks	300		300
Max. Marks			
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Communication Research Meaning, purpose, and scope of communication research Types of research: basic, applied, descriptive, exploratory, explanatory Research paradigms: positivist, interpretive, critical The research process: identifying problems, objectives, questions, and hypotheses Ethics in research: informed consent, privacy, plagiarism, and data integrity		15
II	Research Design and Sampling		15

	<p>Variables: independent, dependent, intervening, control</p> <p>Research designs: experimental, survey, content analysis, case study, ethnography</p> <p>Probability and non-probability sampling methods</p> <p>Sample size determination and sampling errors</p> <p>Reliability and validity in research</p>	
III	<p>Methods of Data Collection</p> <p>Quantitative methods: surveys, structured interviews, experiments</p> <p>Qualitative methods: focus groups, in-depth interviews, observation, discourse analysis</p> <p>Content analysis: steps, coding, unit of analysis</p> <p>Tools for data collection: questionnaires, schedules, interview guides</p> <p>Pre-testing and piloting instruments</p>	15
IV	<p>Data Analysis, Interpretation, and Report Writing</p> <p>Data preparation and coding</p> <p>Basics of statistical analysis: mean, median, mode, standard deviation, correlation</p> <p>Use of software: SPSS, Excel, or online tools for data analysis</p> <p>Qualitative data interpretation: thematic analysis and narrative analysis</p> <p>Research report writing: structure, referencing, and presentation of findings</p>	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. Wimmer, Roger D., & Dominick, Joseph R. – Mass Media Research: An Introduction 2. Berger, Arthur Asa – Media and Communication Research Methods 3. Stempel, Guido H. & Westley, Bruce H. – Research Methods in Mass Communication 4. Creswell, John W. – Research Design: Qualitative, Quantitative, and Mixed Methods Approaches 5. Kothari, C.R. – Research Methodology: Methods and Techniques 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Health & Science Communication		
Course Code	M24- JMC- 403		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To understand the principles and importance of health and science communication. • To explore the role of media in public understanding of health and science issues. • To develop skills for creating clear, accurate, and engaging health and science messages. • To examine ethical, cultural, and social challenges in health and science communication. • 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Fundamentals of Health and Science Communication Definition, scope, and significance of health and science communication History and evolution of science and health communication in media Science communication models: deficit, dialogue, participatory Role of media in shaping public perception and policy on health and science Key concepts: risk communication, health literacy, scientific literacy		15
II	Media and Communication Strategies in Health and Science Media framing and representation of scientific and health issues Science journalism: reporting accuracy, sources, and credibility Health campaigns and behavior change communication		15

	Use of traditional, digital, and social media in health and science communication Role of NGOs, government, and international agencies in health communication	
III	Tools and Techniques for Health and Science Communication Simplifying complex scientific information for diverse audiences Visual communication: infographics, data visualization, and animations Storytelling techniques in health and science narratives Crisis communication and managing misinformation (pandemics, environmental issues) Engaging audiences: interactive platforms, community media, citizen science	15
IV	Ethical, Cultural, and Social Issues in Health and Science Communication Ethics in science and health reporting: accuracy, bias, sensationalism Privacy, consent, and confidentiality in health communication Cultural sensitivity and inclusivity in message design and dissemination Impact of misinformation, pseudoscience, and conspiracy theories Future trends: AI, personalized medicine, and emerging communication technologies	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Susanna Hornig Priest – Doing Media Research: An Introduction (Selected chapters) 2. Briggs, Charles L., & Hallin, Daniel C. – Making Health Public: How News Coverage is Shaping Media and Public Understanding 3. Martin Bauer & Massimiano Bucchi (Eds.) – The Science Communication Reader 4. David J. Helfand – Science and the Media 5. WHO and CDC communication guidelines and reports 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Media & Gender		
Course Code	M24- JMC- 404		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To analyze the representation of gender in various media forms and genres. • To understand how the media shapes and challenges gender norms and stereotypes. • To explore feminist media theories and gender studies frameworks. • To develop critical awareness of media's role in constructing identities and power relations. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Media and Gender Understanding gender: sex, gender, gender identity, and expression Historical context of gender studies and feminist media theory Media as a site of gender construction Theories: feminist theory, queer theory, masculinity studies Intersectionality: gender, race, class, sexuality in media		15
II	Gender Representation in Media Content Portrayal of women and men in news, films, advertising, television, and digital media Stereotypes, tropes, and symbolic annihilation Gender roles in reality shows, soap operas, and popular culture LGBTQ+ representation and visibility in media Analysis of gendered language and discourse in media texts		15

III	Media Industries, Audiences, and Gender Gender dynamics in media production and workplaces Women and marginalized genders in media professions Audience reception studies: gendered consumption and interpretation Social media, influencers, and gender performance online Feminist activism and counter-publics in media spaces	15
IV	Contemporary Issues and Media Policy on Gender Media regulation and gender rights: censorship, gender-sensitive policies Gender-based violence and media coverage Body politics, beauty standards, and advertising ethics Media campaigns for gender equality and social change Future directions: digital feminism, gender fluidity, and inclusive media	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
7. ** Liesbet van Zoonen** – <i>Feminist Media Studies</i>		
8. ** Gill, Rosalind** – <i>Gender and the Media</i>		
9. ** Judith Butler** – <i>Gender Trouble</i> (Selected excerpts)		
10. ** Dines, Gail & Humez, Jean M.** – <i>Gender, Race, and Class in Media</i>		
11. ** GLAAD Reports** – Media representation of LGBTQ+ communities		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Regional Journalism		
Course Code	M24- JMC- 405		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To understand the role and importance of regional journalism in a diverse society. • To study the dynamics of regional language media and its impact on local communities. • To explore challenges and opportunities faced by regional journalists and media houses. • To develop skills in reporting, editing, and content creation for regional audiences. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Regional Journalism in Haryana Definition and scope of regional journalism Historical evolution and growth of regional media in India and globally Key factors influencing regional media in Haryana Role of local languages, especially Hindi and Haryanavi in Journalism		15
II	Prominent regional media houses and publications Overview of leading newspapers and news channels in Haryana Contributions of major journalists from Haryana Impact of Haryana's press on social and political discourse Case studies of influential news stories from the region		15
III	Challenges and ethical considerations in Haryana Journalism		15

	Press freedom and government influence Misinformation and sensationalism in regional news Ethical dilemmas faced by Haryana' journalists Role of technology and digital media in overcoming challenges	
IV	Haryana Cinema and its role in journalism Historical development of Haryana Cinema : Evolution from folk storytelling to regional films Influence of Haryanvi cinema on journalism : How films highlight social issues covered by media Notable filmmakers and artists from Haryana : their contributions to entertainment and journalism Digital media and cinema : The rise of social platforms promoting regional films and journalism The future of Haryana cinema: Growth, challenges and its relationship with local journalism	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. G. S. Gopalakrishnan – Regional Media in India: Growth and Challenges 2. Kanchan K. Malik – Regional Language Journalism in India 3. Pradip Ninan Thomas – The Media and the Indian Diaspora (Selected chapters) 4. Rajagopal, Arvind – Politics After Television: Hindu Nationalism and the Reshaping of the Public in India 5. Reports from WAN-IFRA and UNESCO on regional media development 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Employment Opportunities and Entrepreneurship in Media		
Course Code	M24- JMC- 409		
Course Type	EEC		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To explore diverse employment opportunities across media sectors and roles. • To understand the evolving media landscape and emerging career trends. • To develop entrepreneurial skills relevant to media ventures and startups. • To learn business planning, funding, and management in media enterprises. 		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Overview of Media Employment Landscape Employment sectors: print, broadcast, digital, advertising, PR, film, gaming, social media Roles and career profiles: reporter, editor, producer, content creator, social media manager, etc. Skills and qualifications required for different media roles Trends impacting media jobs: digital disruption, AI, freelancing, gig economy		8
II	Career Development and Skill Enhancement Building a professional portfolio and resume for media jobs		7

	Networking, internships, and mentorship in media careers Soft skills: communication, creativity, adaptability, teamwork Personal branding and social media presence for career growth Professional certifications and continuous learning in media	
III	Media Entrepreneurship Fundamentals Understanding entrepreneurship and its relevance to media Types of media enterprises: startups, content agencies, production houses, digital platforms Identifying market opportunities and niche areas in media Business models in media: subscription, advertising, sponsorship, crowdfunding Legal, financial, and regulatory considerations in media ventures	8
IV	Planning and Managing Media Ventures Developing a media business plan: market analysis, objectives, strategies Funding sources: angel investors, venture capital, grants, self-funding Marketing and audience development for media products Managing teams, projects, and operations in media startups Case studies of successful media entrepreneurs and ventures	7
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory
● Class Participation:	4	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	4	
● Mid-Term Exam:	7	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
6. Robert Picard – <i>The Economics and Financing of Media Companies</i>		
7. Elizabeth Eisner Reding – <i>Entrepreneurship in the Media Industry</i>		
8. David Hesmondhalgh – <i>The Cultural Industries</i>		
9. Michael R. Solomon – <i>Marketing: Real People, Real Choices</i> (Chapters on media marketing)		
10. Industry reports from NASSCOM , FICCI , and KPMG on media entrepreneurship		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.A. Journalism & Mass Communication		
Semester	4		
Name of the Course	Dissertation/ Project Work		
Course Code	M24- JMC- 410		
Course Type	Dissertation/Project		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To understand the fundamental of media research • To understand the research methodology and research design • To understand data analysis and data coding • To understand the research thesis / report/ dissertation writing • To understand the use of computer software 		
Credits	Theory	Practical	Total
	0	12	12
Teaching Hours per week	0	0	0
Internal Assessment Marks	0	0	0
End Term Exam Marks	0	0	0
Max. Marks	0	300	300
Part B- Contents of the Course			
Practical Assignments			Contact Hours
<p>Research Project and Guidelines</p> <ul style="list-style-type: none"> • Identify Research Problem • Write a synopsis • Do review of Literature • Frame Research questions and Hypothesis • Frame objectives • Design Methodology • Prepare data collection tool • Collect Data • Draw conclusions • Write thesis / Dissertation • Every student has to publish and write a research paper alongwith dissertation. <p>Evaluation of the thesis will be on the basis of Quality of Above Research. Supervisor will be allotted to each student of research honors Viva vice will be conducted in front of a three member committee constituted by the Institute.</p> <p>Submissions related to research Prepare a Questionnaire Prepare a code book Prepare Google form</p>			

	Prepare charts and tables Write review of literature Data coding with SPSS software			
Suggested Evaluation Methods				
Internal Assessment			End Term Examination : 300	
	➤ Practicum	0	➤ Practicum	300
	Report	0	100	100
	Viva-Voce	0	200	200
	Max. Marks	0	300	300

Kurukshetra University, Kurukshetra

(Established by the State Legislature Act-XII of 1956)

("A++" Grade, NAAC Accredited)



Scheme of Examination for Post Graduate Programme

M.Sc. Printing, Graphics & Packaging Technology

as per NEP 2020

Curriculum and Credit Frame work for Postgraduate Programme

With Multiple Entry-Exit, Internship and CBCS-LOCF

With effect from the session 2025-26 (in phased manner)

Institute of Mass Communication and Media Technology
Faculty of Commerce and Management
KURUKSHETRA UNIVERSITY, KURUKSHETRA-136119
HARYANA, INDIA

**Programme Learning Outcomes (PLOs) of M. Sc. Printing, Graphics & Packaging Technology
as per NEP-2020**

PLOs	M.Sc. Printing, Graphics & Packaging Technology
	After the completion of Master degree in Printing, Graphics & Packaging Technology the student will be able to:
PLO-1: Knowledge and Understanding	Demonstrate the fundamental and Advanced knowledge of the subject and understanding of recent developments and issues, including methods and Techniques, related to Printing, Graphics & Packaging Technology.
PLO-2: General Skills	Acquire the general skills required for performing and accomplishing the Tasks as expected to be done by as killed professional in the fields of Printing, Graphics & Packaging Technology.
PLO-3: Technical/Professional Skills	Demonstrate the learning of advanced cognitive technical/professional skills required for completing the specialized tasks related to the Profession and for conducting and analyzing the Relevant research tasks in different domains of Printing, Graphics & Packaging Technology.
PLO-4: Communication Skills	Effectively communicate the attained skills of Printing, Graphics & Packaging Technology in well-structure and productive manner of the society at large.
PLO-5: Application of Knowledge and Skills	Apply the acquired knowledge and skills to the problems in the subject area, and to identify and analyze the issues where the attained knowledge and skills can be applied by carrying out research investigations to formulate evidence-based solutions to complex and unpredictable problems associated with the field of Printing, Graphics & Packaging Technology or otherwise.
PLO-6: Critical thinking and Research Aptitude	Attain the capability of critical thinking in intra/inter-disciplinary areas of Printing, Graphics & Packaging Technology, enabling to formulate, synthesize, and articulate issues for designing of research proposals, testing, hypotheses, and drawing inferences based on the analysis.
PLO-7: Constitutional, Humanistic, Moral Values and Ethics	Know constitutional, humanistic, moral and ethical values, and intellectual property rights to become a scholar/professional within grained values in expanding knowledge for the society, and to avoid unethical practices such as fabrication, falsification or misrepresentation of data or committing plagiarism.
PLO-8: Capabilities/qualities and mindset	To exercise personal responsibility for the outputs of own work as well as of group/team and for managing complex and challenging work(s) that requires new/strategic approaches.
PLO-9: Employability and job-ready skills	Attain the knowledge and skills required for increasing employment potential, adapting to the future work and responding to the rapidly changing demands of the employers/industry/society with time.

Kurukshetra University, Kurukshetra
Scheme of Examination for Post-graduate Programme
M.Sc. Printing, Graphics & Packaging Technology
As per NEP2020 Curriculum and Credit Framework for
Postgraduate Programme (CBCS LOCF) with effect from the
Session: 2025-26 (in phased manner)

Framework -1
Scheme-P

Semester	Course Type	Course Code	Nomenclature of course	Theory (T)/ Practical (P)	Credits		Contact hours per week L:Lecture P:Practical T:Tutorial				Internal Assessment Marks	End Term Examination Marks	Total Marks	Examination hours
					Total	L	T	P	Total					
1	CC-1	M24-PGP-101	Advanced Printing Technology	T	4	22	4	0	0	4	30	70	100	3
	CC-2	M24-PGP-102	Offset Technology	T	4		4	0	0	4	30	70	100	3
	CC-3	M24-PGP-103	Industrial Packaging	T	4		4	0	0	4	30	70	100	3
	PC-1	M24-PGP-104	Quality Control in Printing and Packaging	P	4		0	0	8	8	30	70	100	4
	PC-2	M24-PGP-105	Graphic Design and Publishing	P	4		0	0	8	8	30	70	100	4
	SEMINAR	M24-PGP-106	Seminar	S	2		0	0	0	2	0	50	50	1
2	CC-4	M24-PGP-201	Pre-Press Technology	T	4	22	4	0	0	4	30	70	100	3
	CC-5	M24-PGP-202	Printing & Packaging Materials	T	4		4	0	0	4	30	70	100	3
	CC-6	M24-PGP-203	Package Design and Development	T	4		4	0	0	4	30	70	100	3
	PC-3	M24-PGP-204	Printing Image Generation	P	4		0	0	8	8	30	70	100	4
	PC-4	M24-PGP-205	Paper and Ink Technology	P	4		0	0	8	8	30	70	100	4

	CHM	M24-CHM-201	Constitutional Human and Moral Values and IPR	T	2		2	0	0	2	15	35	50	3	
	Internship	M24-INT - 200	An internship course of 4 Credits of 4-6 weeks duration during summer vacation after IInd semester is to be completed by every student. Internship can be either for enhancing the employability or for developing the research aptitude.								50	50	100		
3	CC-7	M24-PGP-301	Logistic and supply chain management	T	4	22	4	0	0	4	30	70	100	3	
	CC-8	M24-PGP-302	Paperboard Packaging	T	4		4	0	0	4	30	70	100	3	
	DEC-1(Choose any one)	M24-PGP-303	Industrial Safety	T	4		4	0	0	4	30	70	100	3	
		M24-PGP-304	Environmental Considerations for Printing and Packaging	T	4		4	0	0	4	30	70	100	3	
		M24-PGP-305	Automation and Robotics In Printing and Packaging	T	4		4	0	0	4	30	70	100	3	
		M24-PGP-306	MOOC course from Swayam Portal or other approved Portals	-	-		-	-	-	-	-	-	-	-	-
	PC-5	M24-PGP-307	Food Packaging Technology	P	4		0	0	8	8	30	70	100	4	
	PC-6	M24-PGP-308	Print Finishing	P	4		0	0	8	8	30	70	100	4	
	OEC	M24-OEC-328	Packaging Technology (For students of other departments)	T	2		2	0	0	2	15	35	50	3	
4	CC-9	M24-PGP-401	Research Methodology	T	4	4	0	0	4	30	70	100	3		
	CC-10	M24-PGP-402	Printed Electronics	T	4	4	0	0	4	30	70	100	3		
	DEC-2 (Choose anyone)	M24-PGP-403	E-Publishing	T	4	22	4	0	0	4	30	70	100	3	

		M24-PGP-404	Corrugated Board Packaging	T	4		4	0	0	4	30	70	100	3
		M24-PGP-405	Digital Marketing	T	4		4	0	0	4	30	70	100	3
		M24-PGP-406	MOOC course from Swayam Portal or other approved portals											
	PC-7	M24-PGP-407	Color Reproduction	P	4		0	0	8	8	30	70	100	4
	PC-8	M24-PGP-408	Security and Anti-Counter Fitting	P	4		0	0	8	8	30	70	100	4
	EEC	M24-PGP-409	Print Operations Management	T	2		2	0	0	2	15	35	50	3
OR DISSERTATION/PROJECT WORK														
NOTE:IF A CANDIDATE OPTS FOR DISSERTATION/PROJECT WORK@12 CREDITS IN 4TH SEMESTER, HE/SHE WILL STUDY CC-9, DEC-2 AND EEC COURSES ALONGWITH DISSERTATION/PROJECT WORK														
	CC-9	M24-PGP-401	Research Methodology	T	4		4	0	0	4	30	70	100	3
	DEC-2 (Choose anyone)	M24-PGP-403	E-Publishing	T	4		4	0	0	4	30	70	100	3
		M24-PGP-404	Corrugated Board Packaging	T	4		4	0	0	4	30	70	100	3
		M24-PGP-405	Digital Marketing	T	4		4	0	0	4	30	70	100	3
		M24-PGP-406	MOOC course from Swayam Portal or other approved portals											
	EEC	M24-PGP-409	Print Operations Management	T	2		2	0	0	2	15	35	50	3
	Dissertation/Project Work	M24-PGP-410	Dissertation/Project Work	D								300	300	
	Dissertation/Project Work	M24-PGP-410	Dissertation/Project Work	D						0		Report=100 Viva Voce=200	300	

Kurukshetra University, Kurukshetra

(Established by the State Legislature Act-
XII of 1956)

(“A++” Grade, NAAC Accredited)



Syllabus for Post Graduate Programme M.Sc. Printing, Graphics & Packaging Technology

as per NEP 2020

Curriculum and Credit Frame work for Postgraduate Programme

With Multiple Entry-Exit, Internship and CBCS-LOCF

With effect from the session 2025-26 (in phased manner)

Institute of Mass Communication and Media
Technology

Faculty of Commerce and Management
KURUKSHETRA UNIVERSITY, KURUKSHETRA-

136119

HARYANA, INDIA

Session: 2025-26			
PartA – Introduction			
Name of Programme	M.Sc. Printing Graphics and Packaging Technology		
Semester	III		
Name of the Course	Logistics and Supply Chain Management		
Course Code	M24-PGP-301		
CourseType	CC-7		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	CLO 1: The students learned about the supply chain management in packaging Industry CLO 2: Enhance knowledge about modes of transportation CLO 3: increase knowledge about warehousing structure and designing. CLO 4: Learn about material handling in industry.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	SUPPLY CHAIN MANAGEMENT : Logistics and Supply Chain Management, Global Supply Chain scenario and importance, Conventional Supply chains, Supply chain participants, Packaging and logistics - interaction, unit load, palletization, Export packaging		15
II	TRANSPORTATION :Different Modes of Transportation: Road, rail, water, air, Advantages & Disadvantages of individual modes, Piggyback, Birdyback; Multimodal Transportation, Domestic and international transportation systems, Factors to be considered for Mode & Carrier Selection, Modal characteristics & Classification, Total Transportation Cost, Factors influencing Transport Cost, Packaging requirements for various transport modes, Package Markings and labeling		15
III	WAREHOUSING: Definition - Warehouses, Distribution Centers; Warehousing, Need for Warehousing, Economic/Service benefits, Types - Their Advantages & Disadvantages, Warehousing		15

	Operations, Packaging Materials Procurement, Factors Affecting Warehousing Cost, Warehouse Layout/ design principles, Warehouse information and management systems, RFID applications, Software for logistics	
IV	MATERIALS HANDLING SYSTEM : Materials Handling - Introduction, Methods; Equipments – containerization & cubic utilization, forklift, cranes, conveyors, trucks, AGV; Pallets – types, materials, stacking, storage; Package design requirements for materials handling system, Unitization – labeling, strapping, stretch wrapping	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Kerstin Gustafsson, Gunilla Jonson Kerstin, David Smith, Leigh Sparks, “Retailing Logistics and Fresh Food Packaging: Managing Change in the Supply Chain”, Kogan Page, 2009 2. Madeleine Pullman, Zhaohui Wu, “Food Supply Chain Management: Economic, Social and Environmental Perspectives”, Routledge, 2011 4. 3. Daniel Hellstrom, “Integrating Packaging and Logistics: Improving Supply Chain Performance”, VDM Verlag Dr. Muller Aktiengesellschaft & Co. , 2008 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Printing Graphics and Packaging Technology		
Semester	III		
Name of the Course	Paperboard Packaging		
Course Code	M24-PGP-302		
Course Type	CC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: The students learned about the importance of paperboard in packaging Industry CLO 2: Enhance knowledge about manufacturing process of paperboard package. CLO 3: Knowledge increase about different types of paperboard cartons. CLO 4: Learn about performance properties of paperboard.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Paperboard Packaging Industry Packaging Industry in India and International, Classification of Packaging, Introduction to paperboard packaging - types function, applications, factors that influencing design of a paperboard package, modern role of paperboard packaging, technological advancements in paperboards packaging, factors that increasing the paperboards packaging, hazards on paperboard package-mechanical, climatic, biological and other hazards, distribution channels.		15
II	Paperboard manufacturing Process and Raw Materials Raw materials - sources, pulping process, screening, cleaning, bleaching and stock preparation, Non-fibrous materials- Functional additives- sizing agent, dry strength agents, wet strength resins, fillers and Chemical processing additives- de-foamer, slime control agents, pitch control agents, formation aids, acid and base. Paperboard Manufacturing process, Paperboard grades used in packaging - folding boxboard, Solid bleached, solid unbleached, white lined chip board, Specialty boards.		15

III	Paperboard Carton Production Introduction - Paperboard folding cartons, Basic Production steps of paperboard cartons – Pre-press section, press section and post press section, corrugated containers – classifications, components in a corrugated board, flutes & stages in preparation in corrugated boards, Printing production room requirements, printing defects on paperboard cartons, Storage and handling of paperboards.	15	
IV	Paperboard Properties Surface and directional properties of paperboard, calliper, bulk, compressibility, surface smoothness/ roughness, Surface strength and internal bond strength - picking, fluffing, splitting, Strength properties - stiffness, folding endurance, bursting strength, tear resistance, printability, runability, Optical properties - gloss, brightness, whiteness, yellowness and tint indices, florescence, opacity.	15	
Total Contact Hours		60	
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ○ Mark J. Kirwan, Paperboard Packaging Technology, Blackwell, 2005 ○ L. Brody, K. S. Marsh, “The Wiley Encyclopedia of Packaging Technology”, 2nd Edition, Wiley, New York, USA, 1995 ○ Hand book on Modern Packaging Industries by National institute of industrial Research & Asian Pacific Business press.1978 ○ Joseph F. Hanlon, Robert J. Kelsey, and Hallie Forcinio, “Handbook of Package Engineering”, Third Edition, CRC press, 1998 ○ Walter Soroka, “Fundamentals of packaging technology”, 3rd Edition, Institute of Packaging professionals, Naperville, Illinois, USA, 2002 			

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc.Printing Graphics and Packaging Technology		
Semester	III		
Name of the Course	Industrial Safety		
Course Code	M24-PGP-303		
Course Type	DEC-1		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Enhance knowledge about various types of Accidents and hazards. CLO2: Learn about various industrial laws about health and safety. CLO3: Knowledge increase about PPE and Safety measures. CLO4: Know about the importance of Safety management techniques.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	INTRODUCTION Industrial safety need, Importance of Industrial safety, Accident, causes, types, results and control, Hazards, mechanical and electrical hazards, causes and preventive steps/procedure, wash rooms, drinking water layouts, light, cleanliness, fire, guarding, pressure vessels, etc, Safety color codes. Fire prevention and fire-fighting, equipment and methods.		15
II	ACCIDENT PREVENTION:- Basic philosophy of accident prevention-nature and causes of accidents-accident proneness-cost of accidents-accident prevention methods-safety education and training-training methods-motivation and communicating safety- Personal Protective Equipments: Need, selection, supply, use, care and maintenance, Personal protective devices for head, ear, face, eye, foot, knee and body protection, Respiratory personal protective devices..		15

III	SAFETY MANAGEMENT TECHNIQUES Safety inspection-Safety sampling technique-Safety audit-Safety survey-Incident recall technique-Job safety analysis-Damage control-Risk management. Safety Management: - Role of management-role of supervisors-role of workmen- role of unions-role of government.	15
IV	Financial Aspects of Safety Cost of Accident: Financial Costs-direct and indirect; Social Costs of Accidents; Compilation Procedure for financial Costs; Cost Data; Quality and its Limitations-Budgeting. Legislative measures in industrial safety: Factories Act, 1948, Workman's Compensation Act, 1943, Employees State Insurance Act, 1948. Mines Act, Air (Prevention and control) Pollution Act, 1981, Water (Prevention and Control) Pollution Act, 1974, Boiler Vessels Act. Child Labour and Women Employee Act.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Industrial Safety, Health and Environment Management Systems Author R.K. Jain and Prof. Sunil S. Rao 2. Electrical Safety, Fire Safety Engineering and Safety Management Author Prof. Sunil S. Rao, R.K. Jain and Prof. H.L. Saluja 		

Session: 2025-26			
PartA - Introduction			
Name of Programme	M.Sc.Printing Graphics and Packaging Technology		
Semester	III		
Name of the Course	Environmental Considerations for Printing and Packaging		
Course Code	M24-PGP-304		
CourseType	DEC-1		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	CLO1: Enhance knowledge about various types of pollutions due to printing & packaging industry. CLO2: Learn about various Storage & Disposal Of Waste CLO3: Knowledge increase about Environmental And Waste Management Issues CLO4: Know about the Recycling of printing and Packaging waste.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	INTRODUCTION : Components of environment; Environmental pollutions, its measurements and management; Air pollution and its control; Water pollution and its control; Solid wastes; Microorganisms as components of the environment; microorganisms as indicators of environmental pollution; bioorganic pollution; microbial toxicants and pollutants their biodegradation; biodegradation of plastics, biofouling; bioremediation. Packaging – Concerns on Environmental Pollution		15
II	STORAGE & DISPOSAL OF WASTE : Types of waste generated; Non-degradable & biodegradable wastes, Solid waste storage and disposal methods- land-filling, burial, incineration, recycling; Biological treatment of food, medical, consumer goods, pharmaceutical, industrial wastes, storage and disposal of liquid and gaseous waste; legal aspects related to storage and disposal; environmental laws; pests & their control. 25		15
III	ENVIRONMENTAL AND WASTE MANAGEMENT ISSUES Plastics Manufacturing and Life cycle assessment, Plastic waste management, Life Cycle Analysis, Optimization of packaging materials, Sources-Reduce,		15

	Reuse and Recycling (3R's), 7R's of Packaging, Biodegradable materials, Case Studies.	
IV	RECYCLING: Waste - Collection, Sorting, Cleaning; Recycling Rate; Recycling techniques/methods – Paper/Paperboard, Plastics, Metals, Glass. Environmental policies of India, Packaging Code of Practice, International Approach - Green Dot; EU Packaging Directive.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Ann-Christine Albertsson, “Degradable Polymer, Recycling Plastic Waste Management”, Taylor & Francis Group, 1995. 2. Herbert F.Lund, “McGraw-Hill Recycling Handbook”, 2nd Edition, 2001. 3. John Scheirs, “Polymer Recycling”, Wiley Series in Polymer Science, 1997. 4. Joseph P. Greene, “Sustainable Plastics: Environmental Assessments”, Wiley, 2014. 		

Session: 2025-26			
PartA - Introduction			
Name of Programme	M.Sc.Printing Graphics and Packaging Technology		
Semester	III		
Name of the Course	Automation and Robotics in Printing and Packaging		
Course Code	M24-PGP-305		
CourseType	DEC-1		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	<p>CLO1: Enhance knowledge about parts and functions of robots</p> <p>CLO2: Knowledge increase about controls and intelligence of robots.</p> <p>CLO3: Know about construction and development of robot</p> <p>CLO4: Know about the select and assess the standards of robots in package line.</p>		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	BASICS OF ROBOTICS Basic Concepts, Robot classifications and specifications-Design and controlissues- Various manipulators– Sensors- work cell- Programming languages. Robotic Manipulation, Workspace Analysis and Trajectory Planning, Differential Motion and Statics, Manipulator Dynamics, Robot Control, Robot Vision, Task Planning, Types of robots, Degrees of freedom of robots.		15
II	CONSTRUCTION AND COMPONENTS OF ROBOT Robot configurations, Overview of robot subsystems, Mechanisms and transmission, End effectors and Different types of grippers, vacuum and other methods of gripping. Pneumatic, hydraulicand		15

	electrical actuators, specifications of different industrial robots. Material used- metals- Nickel, Aluminium, Stainless steel, Titanium, Plastics- ABS, PP, PTFE. Basics of Pneumatic and Hydraulic systems - uses in robotics, electric motor- stepper motor, actuator and sensor	
III	CONTROL AND APPLICATIONS OF ROBOT Types of transmission, Basics of control Systems – Open loop and Closed loop system – Types of Controllers, Process Control Systems, Discrete Control System, Continuous Versus Discrete Control. Linear and Non-linear controls. Motion control, force control, Trajectory control, Microprocessor-definition, construction, programming. Robots In Package Line, Pick and place robots, Robots in ware-houses, mobile robotics and walking machines, Tele-robots, micro robot, Nano robot Standards – industrial robotics standards.	15
IV	KINEMATICS AND DYNAMICS OF ROBOTICS Laws of robotics- Role of robots- emerging trends- manipulator functions and design- Direct Kinematics: The Arm Equation, Inverse Kinematics: Solving the Arm Equation, Teleoperations. Manipulator kinematics – Forward kinematics – Inverse kinematics – Differences:. Robot dynamics.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. K. K.Appu Kuttan, Robotics, I K International, 2007. 2. Edwin Wise, Applied Robotics, Cengage Learning, 2003. 3. R.D.Klafter, T.A.Chimielewski and M.Negin, Robotic Engineering–An Integrated Approach, Prentice Hall of India, New Delhi, 1994. 4. B.K.Ghosh, Control in Robotics and Automation: Sensor Based Integration, Allied Publishers, Chennai, 1998. 		

Session: 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc. Printing Graphics and Packaging Technology		
Semester	III		
Name of the Course	Food Packaging Technology		
Course Code	M24-PGP-307		
Course Type	PC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: The students learned about different types of Food Packaging Materials</p> <p>CLO 2: Enhance knowledge about Testing on Food Packages</p> <p>CLO 3: Knowledge increase about Working & Mechanism of food Packaging machines.</p> <p>CLO 4: Learn about various types of Paper boards used in food Packaging.</p>		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B-Contents of the Course			
Practical's			Contact Hours
	List of different types of Food Packaging Materials		120
	Determination of tensile strength of Food Package		
	Determination of tearing strength of Paper, paperboard used in food packaging		
	Determination of bursting strength of packaging material		
	Determination of Inclined test and Drop test of food package		
	List of different metals used as a packaging material.		
	Demonstrate the Working & Mechanism Seal and shrink-packaging Machine		
	Demonstrate the Working & Mechanism Working & Mechanism Carton making Machines		
	Demonstrate the Working & Mechanism Food Package printing machines.		
	Safety aspects/assessment of food packaging materials		
	List of Dairy products.		
	Study of Types of plastics, Plastic films, laminated plastic materials, Flexible film and container manufacture.		
	Demonstrate the RFID functioning in Food Packaging		
	Preparation of various flexible food packages.		

	Preparation of various rigid food packages.	
	Study and operation of various food packaging machines.	
	Study about the various types of Paper boards used in food Packaging.	
	Preparation of various paper bags.	
	Test conducted on food packages- Vibration test	
	Test conducted on food packages- Compression test	
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Practicum	30	➤ Practicum 70
• Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Gordon L. Robertson, Food Packaging: Principles and Practice, Third Edition,2013. 2. Gordon L. Robertson, Food Packaging and Shelf Life: A Practical Guide,2010. 3. Ruben Hernandez, Susan E. M Selke, John Culter, John D. Culter, Plastics Packaging: Properties,Processing, Applications, and Regulations,2000. 4. Walter Soroka, Fundamentals of Packaging Technology-Fourth Edition, 		

Session: 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc. Printing Graphics and Packaging Technology		
Semester	III		
Name of the Course	Print Finishing		
Course Code	M24-PGP-308		
Course Type	PC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Enhance knowledge about print finishing processes. CLO2: Learn about working mechanism of print finishing machines CLO3: Learn about in line Print finishing operations. CLO4: Know about Automation in Print Finishing.		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B-Contents of the Course			
Practical's			Contact Hours
List of Print finishing operations			120
List of Book Binding Tools & Equipment's .			
Type of Binding Process.			
Prepare sample of Perfect Binding.			
Prepare sample of Mechanical Binding.			
Prepare sample of Hard Case Binding.			
List of Print finishing materials& materials handling and mailing.			
JDF (Job Definition Format) in print finishing.			
MIS (Management Information System) in print finishing.			
Experiment of Foil stamping - hot and cold.			
Prepare sample of different types of folding.			
Collect sample of EndPaper used in print finishing.			
Experiment of Gold Blocking.			
Collect samples of paper and board used in print finishing.			
Experiment of Embossing & Debossing.			
Experiment of Varnishing, Laminating.			
Experiment of Perforating.			
Prepare Kinds of Indexes.			
Automatic Cutting Machine.			
List of Adhesives used in Print Finishing.			

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Practicum	30	➤ Practicum	70
• Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical	
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
1. Binding And Finishing – Ralph Lyman Binding And Finishing Part-1 – B.D.Mendiratta			
2. Binding Finishing Mailing – T.J.Tedesco Introduction to Printing & Finishing – Hugh Speirs			
3. Finishing Process in Printing – A.G.Martin.			

Session: 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc. Printing, Graphics & Packaging Technology		
Semester	III		
Name of the Course	Packaging Technology(For Students of other departments))		
Course Code	M24-OEC-328		
CourseType	OEC		
Level of the course (As per Annexure-I	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO1: Enhance knowledge about fundamentals, of packaging. CLO2: Increase knowledge about package design & manufacturing process. CLO3: Know about specialty packaging. CLO4: Know about the testing on packages.		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	INTRODUCTION TO PACKAGING Definition, historical background, functions of packaging types and selection of package, packaging hazards, interaction of package and contents, shelf life estimation, materials and machine interface, life cycle assessment		8
II	MANUFACTURING PROCESS OF PACKAGE Fundamentals, factors influencing design, consumer, research and sales promotion through package design, graphic design, Structural design – cans, bottles, folding cartons, corrugated boxes, bar codes and tags Folding carton manufacturing -Cutting; creasing; die making punching – cartooning Machineries – types, flexible pouches forming machines, corrugated box manufacturing process, Rigid boxes manufacturing process, foil packaging robots used in packaging.		7
III	SPECIALITY PACKAGING Aerosol packaging, shrink and stretch wrapping, blister packaging, anti-static packaging, aseptic packaging, oven able package; Cosmetic packaging,		8

	confectionery packaging, hardware packaging, textile packaging, food packaging; child resistant and health care packaging, chub packaging, electrostatic discharge protective packaging, export packaging, lidding, medical packaging, modified atmospheric packaging, RFID in Packaging.	
IV	PACKAGE TESTING Testing – bursting, tear, tensile; drop test - inclined impact, Horizontal impact, bridge impact, vibration Test, stacking and compression test, corrugated board testing, hot track method, layer gauge method	7
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory 35
• Class Participation:	4	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	4	
• Mid-Term Exam:	7	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Bill Stewart, “Packaging Design Strategies”, Pira International Ltd, 2nd Edition 2004. 2. F.A. Paine, “Fundamentals of Packaging”, Brookside Press Ltd., London, 1990. 3. Aaron L. Brody & Kenneth S. Marsh, “Encyclopedia of Packaging Technology”, John Wiley Interscience Publication, II Edition, 1997 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc.Printing Graphics and Packaging Technology		
Semester	IV		
Name of the Course	Research Methodology		
Course Code	M24-PGP-401		
CourseType	CC-9		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	CLO1: Enhance knowledge about Research and its types CLO2:Increase knowledge about R&D process. CLO3: It enhance the knowledge about the applications of R & D in Printing industry. CLO4: Know about the role of R& D in innovation and technology.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction: Introduction of Research& Development, types of R & D- Basic Research, Applied research, development. R&D in business, Innovation, New product development, Design ,Product design, R& D Decision- Proprietariness, Timing ,Risk ,Cost. Importance of R& D		15
II	R&D Process: Foster ideas, Focus ideas, Develop, Prototype and trials. Regulatory, Product development activities, Launch. An effective R& D Process, Advantages of R& D- Tax breaks, cost ,financing, recruitment, Patents. R&D challenges- High cost, Uncertain result, Market condition.		15
III	R&D in the Printing Industry – Innovation in Printing, Reducing the environmental impact of printing, Waste reduction of printing processes, Minimizing solvent use, Process and machine optimization in offset and flexography printing, Quality evaluation and standardization in digital printing, Packaging and label printing, Print finishing, Measurement and testing methods for controlling machine settings and the printing process, Functional coatings, Ink curing and migration		15

IV	R&D in Packaging Industry -Packaging machinery research and development, especially paperboard forming, Converting of fiber-based packaging materials, Tool design and manufacturing, Sealing solutions for fiber-based packages, Package quality control development, Packaging material technology, Coating and dispersion barriers, Digital printing, Fiber engineering and technology, Nano-thin functional coatings.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
1. Research Methodology (Kindle Edition) by R. Panneerselvam		
2. Research Methodology: A Step-by-Step Guide for Beginners (Paperback) by Ranjit Kumar		
3. Research Methodology: Methods and Techniques (Paperback) by C.R. Kothari		

Session: 2025-26			
PartA - Introduction			
Name of Programme	M.Sc. Printing Graphics and Packaging Technology		
Semester	IV		
Name of the Course	Printed Electronics		
Course Code	M24-PGP-402		
CourseType	CC-10		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	CLO 1:To explain the basics of printed electronics and its applications CLO 2;To list and outline the printing techniques used in electronic products manufacturing. CLO 3:To list and outline the materials used for printed electronics. CLO 4:To describe and discuss the basics of semiconductors and substrates.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	INTRODUCTION TO PRINT ELECTRONICS: Printing Technology in Electronics Manufacturing, PE Technology and Its Benefits, PE Products and Trends, Lighting, Organic/Inorganic Photovoltaics, Displays, Integrated Smart Systems, RFID, Other Electronics and Components		15
II	TECHNIQUES OF ELECTRONICS PRINTING : Printing Parameters, Screen Printing, Inkjet Printing, Fast Printing: Flexo Printing and Offset Gravure Printing, Fine Pattern Printing: Nan imprint, μ CP, and Electrostatic Inkjet, Laser Induced Forward Transfer, Post-treatment Process		15
III	MATERIALS: Varieties of Conducting Materials, Metallic Nanoparticles, Metal-Organic Decomposition Ink, Nanowires; Applications to Transparent Conductive Films, Low Temperature Fabrication of Metal Nanowire TCF		15

IV	PROCEDURE :Choice of Interconnection Methods- Soldering, Adhesives; Conductive Adhesives- Isotropic Conductive Adhesives- Anisotropic Conductive Adhesives- Interconnection Reliability; Standards-ISO, IEC, IEE, Ipc. Semiconductors And Substrates: Semiconductor Category and History, Organic Semiconductors, Oxide Semiconductors, Other Semiconductors; Substrate-Polymeric film, glass, paper; Barrier Film Technology	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Katsuaki Suganuma 'Introduction to Printed Electronics', Springer, 2014 2. John Birkenshaw 'Printed Electronics' Pira International, 2004 3. Jutta E. M Rasp 'Flexible and Printed Electronics Explained: Technology and Commercial Applications', John Wiley & Sons, Limited, 2015. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc.Printing Graphics and Packaging Technology		
Semester	IV		
Name of the Course	E- Publishing		
Course Code	M24-PGP-403		
CourseType	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1.To understand the basics of Online Publishing concepts and avenues. CLO 2. To learn the importance of layout and design in areas of publishing CLO 3. To familiarize electronic publishing models and workflow software. CLO 4. To comprehend various software tools in designing e-publishing		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	INTRODUCTION: Internet, WWW, Web2.0, Broadband, Print On-demand, e-Book, e-Journals, e-Newspaper, internet advertising, Digital libraries, e-Readers – e-Ink, e-paper, Electronic Publishing-Advantages, Issues.		15
II	TYPE OF PUBLISHING : Areas of publishing – Legal, STM, Book Publishing – Manuscript, Anatomy of a book, Layout & Design, Journal Publishing – Layout & Design, Web Publishing – Layout & Design, Accessibility, usability, standards, Publishing on Handheld devices – Layout & Design , - Reference database – PUBMED, Index – author, volume, keyword.		15
III	WORKFLOW : Authors, Publishers, e Publishing Companies; Workflow – Receiving Jobs (FTP), Pre-editing, Copy editing, Proof reading, Graphics, Pagination, Quality Control, Output – Print, Proof,		15

	Web, Handheld devices(file formats) ; Workflow softwares, Publishing Management System: Publication representation; Publication environments; Publication node structure; Version management; Content objects & processing objects; Publication naming; Information sharing Hypertext and its principle.	
IV	SOFTWARES, TOOLS & WEBSITE : Conventional workflow, XML workflow, STM Typesetting softwares, Pagination softwares, Image manipulation softwares, Markup languages – fundamentals, Presentation technologies (HTML, CSS, WML, XSL/XSL-FO), Representation technologies. Production And Maintenance Of Website Digital Business models in Internet, Marketing, Future publishing Models, Recent trends in e publishing; Design and Construction – Testing, Launch and Handover – Maintenance – Review and Evaluation and Scripts, Develop Portfolios in the Form of Web Pages which have to be uploaded in Free Public Domains.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Eric Ladd, Jim O’ Donnel, Using HTML 4, XML and Java, Prentice Hall of India – QUE, 1999 2. Harold Henke, Electronic Books and e-Publishing: A Practical Guide for Authors, Springer Science & Business Media, 2001 3. Rae A. Earnshaw, Huw Jones, John A. Vince, Digital Media and Electronic Publishing, Academic Press, 2007. 4. Richard Guthrie, Publishing: Principles and Practice, SAGE, 2011 		

Session: 2025-26			
PartA - Introduction			
Name of Programme	M.Sc. Printing Graphics and Packaging Technology		
Semester	IV		
Name of the Course	Corrugated Board Packaging		
Course Code	M24-PGP-404		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1.To understand the basics of Corrugated Fibre Board Packaging CLO 2. To learn the importance of Corrugation Box Materials CLO 3. To understand the basics of Corrugation Box Manufacturing CLO 4 To understand the basics of Layout of Corrugation Box		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	INTRODUCTION -Introduction to Corrugated Fibre Board Packaging, Components and their Functions Corrugated Fibre Board Packaging Industry-An Overview Corrugated Fibre Board Box Packaging- Properties and Applications Types of Corrugated Fibre Board and Boxes.		15
II	CORRUGATION BOX MATERIALS: -Selection of Kraft paper for Corrugated fiber board and box Paper and different types of Papers- Properties and Applications Selection of Adhesive for Corrugated Fibre Board and Box. Addition of Chemicals. Types of glue, ink and Coating Materials.		15
III	CORRUGATION BOX MANUFACTURING:- Corrugated Board: Corrugated Board construction - Flutes/Single, Double, Triple Wall,Board grades, Manufacture, Adhesive Bond, Specifications, Flat Crush/Edge Crush Tests Box Certificates. Box Layout,Types, Manufacture/Scoring		15

	Allowances, Optimization, Economy. Compression Test, McKee Formula/ECT, Inserts/Partitions, Stack Height, Pallet Patterns, Banding/Strapping/Taping, Corrugated Board Pallets, Corrugated Board Cushions..	
IV	LAYOUT OF CORRUGATION BOX:- Carton Production: Carton styles. Folding cartons – Production steps, types. Corrugated containers – classifications, components in a corrugated board, flutes & stages in preparation in corrugated boards. Plastic corrugated boards- features & advantages. Considering the dimension of Product Performance Layout of various carton styles- Bellows (Gusset) Tuck ,Airplane Style Straight (AST) , Side/End Load, regular-slotted carton, Folding Carton, Corrugated / Folding Carton.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. News Reporting and writing - Melvin Mecher 2. The Journalist; Handbook - M. V. Kamath 3. Editing; A Handbook for Journalists - TJS George 4. Editing; A Handbook for Journalists - TJS George, Indian Institute of Mass communication, Delhi. 5. Telling Stories, Taking Risks - Klement/Mataline 6. Journalism in India - R. Parthasarathy 7. Headlines and Deadlines - Baskette, Floyd 		

Session: 2025-26			
PartA - Introduction			
Name of Programme	M.Sc. Printing Graphics and Packaging Technology		
Semester	IV		
Name of the Course	Digital Marketing		
Course Code	M24-PGP-405		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO) After completing this course, the learner will be able to:	CLO 1: The students learned about fundamental of digital marketing concept. CLO 2: Enhance knowledge about applications of digital marketing in the globalized market. CLO 3: Knowledge increase about Application and usage of E-mail advertisement and mobile marketing. CLO 4: Learn about Blogs &Importance of Blogs.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	INTRODUCTION TO DIGITAL MARKETING (DM) -Meaning, Definition, Need of DM, Scope of DM, History of DM, Concept and approaches to DM, Examples of good practices in DM. Marketing Automation: Definition, Advantages, Marketing Automation Softwares: CRM, Sales force, Analytics; Customer Experience (CX), How does marketing automation help marketers, Marketing automation tools.		15
II	DIGITAL MARKETING MIX: Online Advertising, Lead Generation, Social Media Marketing, Content and Copywriting. Influencer Marketing: Influencer, Payment to Influencer, difference between influencer marketing and celebrity endorsements.		15

III	EMAIL MARKETING- Need for Emails, Types of Emails, options in Email advertising, Features of MailChimp, Mobile Marketing: Overview of the B2B and B2C Mobile Marketing.	15
IV	BLOGS: What are blogs, Importance of Blogs, Personal Blogs, Corporate Blogs, Popular Blog Platforms, What are Tags, Widgets, Blog Optimization, and Blog Stats.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Digital Marketing: Seema Gupta-Mcgraw hill 2. George Pain(2019). Marketing Automation and Online Marketing: Automate Your <ol style="list-style-type: none"> a. Business through Marketing Best Practices such as Email Marketing and Search Engine b. Optimization 3. Stevan Roberts (2016). Marketing AI: From Automation to Revenue Performance <ol style="list-style-type: none"> a. Marketing 4. Jodie the Mom (2023) Email Marketing Planner: Organize and Track Your Emails 		

Session: 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc.Printing Graphics and Packaging Technology		
Semester	IV		
Name of the Course	Color Reproduction		
Course Code	M24-PGP-407		
Course Type	PC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: The students learned about the importance Color in Printing and packaging Industry		
	CLO 2: Enhance knowledge about Colo theory		
	CLO 3: Knowledge increase about color reproduction system		
	CLO 4: Learn about color control devices.		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B-Contents of the Course			
Practical's			Contact Hours
	Introduction of colours		120
	Create RGB and CMYK Color model		
	Colour vision mechanism		
	Responses to color-psycho-physical response, Socio-culture response		
	Primary Colours, Secondary Colours, Tertiary color		
	Colour symbolic response		
	Create Model of Additive theory &Subtractive theory		
	Exposure, colour balance, memory colours, Color contrast.		
	Colour Reproduction - Process camera, Image setter, CTP,		
	Experiment of Colour Separation, Colour Separating methods- direct separation method and indirect colour separation method,		
	Making of Black Printer negative,		
	Experiment of Electronic colour separation and correction,		
	Colour printing – Ink Components and Ink setting,		
	Fake color, spot color, process color, Colour sequence		
	Manual color control		
	Experiment of CIE colour Lab system		
	Working mechanism & observation of color density by Densitometer		
	Working mechanism & observation of Spectrophotometer, colourimeter		
	Masking, purposes of masking, Mask, types of mask.		
	Colour proofing– Purpose, types, Proofing considerations.		

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Practicum	30	➤ Practicum	70
• Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical	
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ○ Abhay Sharma, “Understanding Colour Management”, Thomson Delmar, 2004 ○ Phil Green, “Understanding Digital Colour”, 2nd edition, GATF Press, 1999. ○ Gary Field, “Colour and its Reproduction”, 3rd edition, GATF Press, 2004 ○ R. W. G. Hunt, “The Reproduction of Colour”, 6th Edition, Wiley, 2004. 			

Session: 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc.Printing Graphics and Packaging Technology		
Semester	IV		
Name of the Course	Security and Anti Counter Fitting		
Course Code	M24-PGP-408		
Course Type	PC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: The students learned about the importance of security features in printing products CLO 2: Enhance knowledge about Bar codes and QR code CLO 3: Knowledge increase about currency security features CLO 4: Learn about holograms and its utilization as security features.		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B-Contents of the Course			
Practical's			Contact Hours
	Collect samples of security inks and security papers		120
	Create different types of Barcodes		
	Experiment of Holograms making and Foil embossing		
	Create RFID Tag		
	Security features of credit/ debit cards		
	Generates QR Codes for products.		
	Experiment of Thermograhly		
	MICR Technology in security products		
	Create High resolution borders.		
	Make Composite Pictures		
	Creation of different Watermark		
	Making of Security threads		
	To list various security features in currency		
	To list credit card security features		
	Experiment of Coin reactive ink		
	Create a Metalized thread		
	Security aspects of Cheque printing		
	Micro text generation procedure		
	Copy evident paper		

Samples of Florescent ink, Metallic ink		
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Practicum	30	➤ Practicum 70
• Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> ○ Introduction To Security Printing Richard D. Warner, Richard M. Adams II, Make Believe (Creator) ○ Security printing The Ultimate Step-By-Step Guide Kindle Edition 		

Session: 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc. Printing, Graphics & Packaging Technology		
Semester	IV		
Name of the Course	Print Operations Management		
Course Code	M24-PGP-409		
CourseType	EEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: To understand the concepts of scheduling and its importance in the printing Industry.</p> <p>CLO 2: To acquire knowledge about the various applications of inventory and project management with respect to the printing Industry.</p> <p>CLO 3: To sequence printing jobs in a printing organization.</p> <p>CLO 4: To extrapolate networking to planning jobs in a printing and packaging company.</p>		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	INTRODUCTION: Organization Structure – Sole Proprietor, Partnership, Limited Company, Administrative office routine, Forms used, Processing orders; Facility location decision making – Economic analysis – Qualitative factor Analysis – Layout of the factory – Analysis & selection; Human Factors - Consideration of man & machine, job design; Ergonomics – Working environment, Worker safety		8
II	SEQUENCING : Gantt chart, Algorithms for solving sequencing problems – Processing of N jobs through 2 machines, n jobs through 3 machines, n jobs on K machines, Assignments and transportation algorithms, Production Line Balancing		7
III	INVENTORY MANAGEMENT : Definition & purpose, Inventory classification, EOQ, Materials handling & Warehousing.		8

	Materials & Capacity Requirement Planning Mrp, Crp–Concepts & Applications, Aggregate Planning & Master Scheduling, Erp– Concepts And Systems.	
IV	NETWORK MODELS 9 Introduction, PERT & CPM models, Network construction, Problems, Resource analysis & allocation, Replacement analysis, Application & case studies	7
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory 35
• Class Participation:	4	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	4	
• Mid-Term Exam:	7	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
1.K.Srivastava, G.V.Shenory & S.C.Sharma, “Quantitative techniques for Managerial decisions”, New Age international (P) Ltd., Publishers – Formerly Wiley Eastern Ltd., 2001.		

OR DISSERTATION/PROJECT WORK

NOTE:IF A CANDIDATE OPTS FOR DISSERTATION/PROJECT WORK@12 CREDITS IN 4TH SEMESTER, HE/SHE WILL STUDY CC-9, DEC-2 AND EEC COURSES ALONGWITH DISSERTATION/PROJECT WORK

CC-9	M24-PGP-401	Research Methodology	T	4		4	0	0	4	30	70	100	3
DEC-2 (Choose anyone)	M24-PGP-403	E- Publishing	T	4		4	0	0	4	30	70	100	3
	M24-PGP-404	Corrugated Board Packaging	T	4		4	0	0	4	30	70	100	3
	M24-PGP-405	Digital Marketing	T	4		4	0	0	4	30	70	100	3
	M24-PGP-406	MOOC course from Swayam Portal or other approved portals											
EEC	M24-PGP-409	Printing Operations Management	T	2		2	0	0	2	15	35	50	3
Dissertation/ Project Work	M24-PGP-410	Dissertation/ Project Work	D	12		0	0	0	0	0	300	300	

Session: 2025-26			
PartA - Introduction			
Name of Programme	M.Sc.Printing Graphics and Packaging Technology		
Semester	IV		
Name of the Course	Research Methodology		
Course Code	M24-PGP-401		
CourseType	CC-9		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	CLO1: Enhance knowledge about Research and its types CLO2:Increase knowledge about R&D process. CLO3: It enhance the knowledge about the applications of R & D in Printing industry. CLO4: Know about the role of R& D in innovation and technology.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction: Introduction of Research& Development, types of R & D- Basic Research, Applied research, development. R&D in business, Innovation, New product development, Design ,Product design, R& D Decision- Proprietariness, Timing ,Risk ,Cost. Importance of R& D		15
II	R&D Process: Foster ideas, Focus ideas, Develop, Prototype and trials. Regulatory, Product development activities, Launch. An effective R& D Process, Advantages of R& D- Tax breaks, cost ,financing, recruitment, Patents. R&D challenges- High cost, Uncertain result, Market condition.		15
III	R&D in the Printing Industry – Innovation in Printing, Reducing the environmental impact of printing, Waste reduction of printing processes, Minimizing solvent use, Process and machine optimization in offset and flexography printing, Quality evaluation and standardization in digital printing, Packaging and label printing, Print finishing, Measurement and testing methods for controlling machine settings and the printing process,		15

	Functional coatings, Ink curing and migration	
IV	R&D in Packaging Industry -Packaging machinery research and development, especially paperboard forming, Converting of fiber-based packaging materials, Tool design and manufacturing, Sealing solutions for fiber-based packages, Package quality control development, Packaging material technology, Coating and dispersion barriers, Digital printing, Fiber engineering and technology, Nano-thin functional coatings.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS: Research Methodology (Kindle Edition) by R. Panneerselvam Research Methodology: A Step-by-Step Guide for Beginners (Paperback) by Ranjit Kumar Research Methodology: Methods and Techniques (Paperback) by C.R. Kothari</p>		

Session: 2025-26			
PartA - Introduction			
Name of Programme	M.Sc.Printing Graphics and Packaging Technology		
Semester	IV		
Name of the Course	E- Publishing		
Course Code	M24-PGP-403		
CourseType	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	CLO 1.To understand the basics of Online Publishing concepts and avenues. CLO 2. To learn the importance of layout and design in areas of publishing CLO 3. To familiarize electronic publishing models and workflow software. CLO 4. To comprehend various software tools in designing e-publishing		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	INTRODUCTION: Internet, WWW, Web2.0, Broadband, Print On-demand, e-Book, e-Journals, e-Newspaper, internet advertising, Digital libraries, e-Readers – e-Ink, e-paper, Electronic Publishing-Advantages, Issues.		15
II	TYPE OF PUBLISHING : Areas of publishing – Legal, STM, Book Publishing – Manuscript, Anatomy of a book, Layout & Design, Journal Publishing – Layout & Design, Web Publishing – Layout & Design, Accessibility, usability, standards, Publishing on Handheld devices – Layout & Design , - Reference database – PUBMED, Index – author, volume, keyword.		15
III	WORKFLOW : Authors, Publishers, e Publishing Companies; Workflow – Receiving Jobs (FTP), Pre-editing, Copy editing, Proof reading, Graphics, Pagination, Quality Control, Output – Print, Proof,		15

	Web, Handheld devices(file formats) ; Workflow softwares, Publishing Management System: Publication representation; Publication environments; Publication node structure; Version management; Content objects & processing objects; Publication naming; Information sharing Hypertext and its principle.	
IV	SOFTWARES, TOOLS & WEBSITE : Conventional workflow, XML workflow, STM Typesetting softwares, Pagination softwares, Image manipulation softwares, Markup languages – fundamentals, Presentation technologies (HTML, CSS, WML, XSL/XSL-FO), Representation technologies. Production And Maintenance Of Website Digital Business models in Internet, Marketing, Future publishing Models, Recent trends in e publishing; Design and Construction – Testing, Launch and Handover – Maintenance – Review and Evaluation and Scripts, Develop Portfolios in the Form of Web Pages which have to be uploaded in Free Public Domains.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
Eric Ladd, Jim O’ Donnel, Using HTML 4, XML and Java, Prentice Hall of India – QUE, 1999		
2. Harold Henke, Electronic Books and e-Publishing: A Practical Guide for Authors, Springer Science & Business Media, 2001		
3. Rae A. Earnshaw, Huw Jones, John A. Vince, Digital Media and Electronic Publishing, Academic Press, 2007.		
4. Richard Guthrie, Publishing: Principles and Practice, SAGE, 2011		

Session: 2025-26			
PartA - Introduction			
Name of Programme	M.Sc. Printing Graphics and Packaging Technology		
Semester	IV		
Name of the Course	Corrugated Board Packaging		
Course Code	M24-PGP-404		
CourseType	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	CLO 1.To understand the basics of Corrugated Fibre Board Packaging CLO 2. To learn the importance of Corrugation Box Materials CLO 3. To understand the basics of Corrugation Box Manufacturing CLO 4 To understand the basics of Layout of Corrugation Box		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	INTRODUCTION -Introduction to Corrugated Fibre Board Packaging, Components and their Functions Corrugated Fibre Board Packaging Industry-An Overview Corrugated Fibre Board Box Packaging- Properties and Applications Types of Corrugated Fibre Board and Boxes.		15
II	CORRUGATION BOX MATERIALS: -Selection of Kraft paper for Corrugated fiber board and box Paper and different types of Papers- Properties and Applications Selection of Adhesive for Corrugated Fibre Board and Box. Addition of Chemicals. Types of glue, ink and Coating Materials.		15
III	CORRUGATION BOX MANUFACTURING:- Corrugated Board: Corrugated Board construction - Flutes/Single, Double, Triple Wall,Board grades, Manufacture, Adhesive Bond, Specifications, Flat Crush/Edge Crush Tests Box Certificates. Box Layout,Types, Manufacture/Scoring		15

	Allowances, Optimization, Economy. Compression Test, McKee Formula/ECT, Inserts/Partitions, Stack Height, Pallet Patterns, Banding/Strapping/Taping, Corrugated Board Pallets, Corrugated Board Cushions..	
IV	LAYOUT OF CORRUGATION BOX:- Carton Production: Carton styles. Folding cartons – Production steps, types. Corrugated containers – classifications, components in a corrugated board, flutes & stages in preparation in corrugated boards. Plastic corrugated boards- features & advantages. Considering the dimension of Product Performance Layout of various carton styles- Bellows (Gusset) Tuck ,Airplane Style Straight (AST) , Side/End Load, regular-slotted carton, Folding Carton, Corrugated / Folding Carton.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> ○ News Reporting and writing - Melvin Mecher ○ The Journalist; Handbook - M. V. Kamath ○ Editing; A Handbook for Journalists - TJS George ○ Editing; A Handbook for Journalists - TJS George, Indian Institute of Mass communication, Delhi. ○ Telling Stories, Taking Risks - Klement/Mataline ○ Journalism in India - R. Parthasarathy ○ Headlines and Deadlines - Baskette, Floyd 		

Session: 2025-26			
PartA - Introduction			
Name of Programme	M.Sc.Printing Graphics and Packaging Technology		
Semester	IV		
Name of the Course	Digital Marketing		
Course Code	M24-PGP-405		
CourseType	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes(CLO) After completing this course, the learner will be able to:	CLO 1: The students learned about fundamental of digital marketing concept. CLO 2: Enhance knowledge about applications of digital marketing in the globalized market. CLO 3: Knowledge increase about Application and usage of E-mail advertisement and mobile marketing. CLO 4: Learn about Blogs & Importance of Blogs.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	INTRODUCTION TO DIGITAL MARKETING (DM) -Meaning, Definition, Need of DM, Scope of DM, History of DM, Concept and approaches to DM, Examples of good practices in DM. Marketing Automation: Definition, Advantages, Marketing Automation Softwares: CRM, Sales force, Analytics; Customer Experience (CX), How does marketing automation help marketers, Marketing automation tools.		15
II	DIGITAL MARKETING MIX: Online Advertising, Lead Generation, Social Media Marketing, Content and Copywriting. Influencer Marketing: Influencer, Payment to Influencer, difference between influencer marketing and celebrity endorsements.		15

III	EMAIL MARKETING- Need for Emails, Types of Emails, options in Email advertising, Features of MailChimp, Mobile Marketing: Overview of the B2B and B2C Mobile Marketing.	15
IV	BLOGS: What are blogs, Importance of Blogs, Personal Blogs, Corporate Blogs, Popular Blog Platforms, What are Tags, Widgets, Blog Optimization, and Blog Stats.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> ○ Digital Marketing: Seema Gupta-Mcgraw hill ○ George Pain(2019). Marketing Automation and Online Marketing: Automate Your Business through Marketing Best Practices such as Email Marketing and Search Engine Optimization ○ Stevan Roberts (2016). Marketing AI: From Automation to Revenue Performance Marketing • Jodie the Mom (2023) Email Marketing Planner: Organize and Track Your Emails 		

Session: 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc. Printing, Graphics & Packaging Technology		
Semester	IV		
Name of the Course	Print Operations Management		
Course Code	M24-PGP-409		
CourseType	EEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: To understand the concepts of scheduling and its importance in the printing Industry.</p> <p>CLO 2: To acquire knowledge about the various applications of inventory and project management with respect to the printing Industry.</p> <p>CLO 3: To sequence printing jobs in a printing organization.</p> <p>CLO 4: To extrapolate networking to planning jobs in a printing and packaging company.</p>		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics	Contact Hours	
I	INTRODUCTION: Organization Structure – Sole Proprietor, Partnership, Limited Company, Administrative office routine, Forms used, Processing orders; Facility location decision making – Economic analysis – Qualitative factor Analysis – Layout of the factory – Analysis & selection; Human Factors - Consideration of man & machine, job design; Ergonomics – Working environment, Worker safety	8	
II	SEQUENCING : Gantt chart, Algorithms for solving sequencing problems – Processing of N jobs through 2 machines, n jobs through 3 machines, n jobs on K machines, Assignments and transportation algorithms, Production Line Balancing	7	
III	INVENTORY MANAGEMENT : Definition & purpose, Inventory classification, EOQ, Materials handling & Warehousing.	8	

	Materials & Capacity Requirement Planning Mrp, Crp–Concepts & Applications, Aggregate Planning & Master Scheduling, Erp– Concepts And Systems.	
IV	NETWORK MODELS 9 Introduction, PERT & CPM models, Network construction, Problems, Resource analysis & allocation, Replacement analysis, Application & case studies	7
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory 35
• Class Participation:	4	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	4	
• Mid-Term Exam:	7	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
1.K.Srivastava, G.V.Shenory & S.C.Sharma, “Quantitative techniques for Managerial decisions”, New Age international (P) Ltd., Publishers – Formerly Wiley Eastern Ltd., 2001.		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Printing, Graphics & Packaging Technology		
Semester	4		
Name of the Course	Dissertation/Project Work		
Course Code	M24 –PGP-410		
Course Type	Dissertation/Project Work		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To understand the fundamental of media research • To understand the research methodology and research design • To understand data analysis and data coding • To understand the research thesis / report/ dissertation writing • To understand the use of computer software 		
Credits	Theory	Practical	Total
	0	12	12
Teaching Hours per week	0	0	0
Report	0	0	0
Viva-Voce	0	0	0
Max. Marks	0	300	300
Part B- Contents of the Course			
Research Project and Guidelines			Contact Hours
<p>Research Project and Guidelines</p> <ul style="list-style-type: none"> • Identify Research Problem • Write a synopsis • Do review of Literature • Frame Research questions and Hypothesis • Frame objectives • Design Methodology • Prepare data collection tool • Collect Data • Draw conclusions • Write thesis / Dissertation • Every student has to publish and write a research paper alongwith dissertation. <p>Evaluation of the thesis will be on the basis of Quality of Above Research. Supervisor will be allotted to each student of research honors Viva vice will be conducted in front of a three member committee constituted by the Institute.</p>			

Submissions related to research			
Prepare a Questionnaire			
Prepare a code book			
Prepare Google form			
Prepare charts and tables			
Write review of literature			
Data coding with SPSS software			
Suggested Evaluation Methods			
Internal Assessment		End Term Examination : 300	
	➤ ` Practicum	0	➤ Practicum
	Report	0	100
	Viva-Voce	0	200
	Max. Marks	0	300

Kurukshetra University, Kurukshetra

(Established by the State Legislature Act-XII of 1956)

("A++" Grade, NAAC Accredited)



Syllabus for Post Graduate Programme M.Sc. Graphic Animation and Multimedia

as per NEP 2020

Curriculum and Credit Framework for Postgraduate Programme

With Multiple Entry-Exit, Internship and CBCS-LOCF

With effect from the session 2025-26 (in phased manner)

Institute of Mass Communication and Media Technology
FACULTY OF COMMERCE AND MANAGEMENT

KURUKSHETRA UNIVERSITY, KURUKSHETRA-136119
HARYANA, INDIA

Programme Learning Outcomes (PLOs) for PG Programmes as per NEP-2020

PLOs	M.Sc. Graphic Animation and Multimedia
	After the completion of Master degree in Graphic Animation and Multimedia the student will be able to:
PLO-1: Knowledge and Understanding	Demonstrate the fundamental and advanced knowledge of the subject and understanding of recent developments and issues, including methods and techniques, related to Graphic animation and Multimedia.
PLO-2: General Skills	Acquire the general skills required for performing and accomplishing the tasks as expected to be done by as Skilled professional in the fields of Graphic animation and Multimedia.
PLO-3: Technical/Professional Skills	Demonstrate the learning of advanced cognitive technical/professional skills required for completing the specialized tasks related to the Profession and for conducting and analyzing the relevant research tasks in different domains of Graphic animation and Multimedia.
PLO-4: Communication Skills	Effectively communicate the attained skills of Graphic animation and Multimedia in well-structured and productive manner to the society At large.
PLO-5: Application of Knowledge and Skills	Apply the acquired knowledge and skills to the problems in the subject area, and to identify and analyze the issues where the attained knowledge and skills can be applied by carrying out research investigations to formulate evidence-based solutions to complex and unpredictable problems associated with the field of Graphic animation and Multimedia or otherwise.
PLO-6: Critical thinking and Research Aptitude	Attain the capability of critical thinking in intra/inter-disciplinary areas of Graphic animation and Multimedia enabling to formulate, synthesize, and articulate issues for designing of research proposals, testing hypotheses, and drawing inferences based on the analysis.
PLO-7: Constitutional, Humanistic, Moral Values and Ethics	Know constitutional, humanistic, moral and ethical values, and intellectual property rights to become a scholar/professional within grained values in expanding knowledge for the society, and to avoid unethical practices such as fabrication, falsification or misrepresentation of data or committing plagiarism.
PLO-8: Capabilities/qualities and mindset	To exercise personal responsibility for the outputs of own work as well as of group/team and for managing complex and challenging work(s) that requires new/strategic approaches.
PLO-9: Employability and job-ready skills	Attain the knowledge and skills required for increasing employment potential, adapting to the future work and responding to the rapidly changing demands of the employers/industry/society with time.

Session: 2025-26**Part A - Introduction**

Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Third		
Name of the Course	Gaming Concepts		
Course Code	M24-GAM-301		
Course Type	CC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understanding the basis of Game Design CLO 2: Students will know about the technical knowledge of game design process CLO 3: Explore different stages of 3D game Design CLO 4: Understanding the different types of game and game design techniques.		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Introduction to 3D Game Design Production Pipeline of Game Design The history of games and game design Elements of Game Design 3D game design concepts and terminology	15
II	Game design principles Understanding different game genres and their characteristics Environmental storytelling Character development and interaction The role of dialogue and exposition	15
III	User experience (UX) in game design Creating visual mood boards and concept art Developing game themes and aesthetic Writing game narrative concepts and scripts Game concept documents and presentations Understanding player motivations and behaviours	15
IV	Concept of Game Engine	15

	Game engines (Unity, Unreal Engine) Game Engine for VR Game engine resources Overview of Game Industry	
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> ○ The Art of Game Design: A Book of Lenses" by Jesse Schell ○ Game Design Workshop: A Playcentric Approach to Creating Innovative Games" by Tracy Fullerton ○ A Theory of Fun for Game Design" by Raph Koster ○ Rules of Play: Game Design Fundamentals" by Katie Salen and Eric Zimmerman ○ Game Engine Architecture" by Jason Gregory 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Third		
Name of the Course	3D Rigging and Lighting		
Course Code	M24-GAM-302		
Course Type	CC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understanding the basis of Rigging CLO 2: Students will be able to rig different objects CLO 3: Explore how to assemble the whole setup into a master rig and skinning. CLO 4: Understanding the different types of Lighting techniques		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Overview of 3D rigging Importance of rigging in character animation Forward Kinematics (FK) vs. Inverse Kinematics (IK) Constraints (Point, Orient, Parent, Scale) Creating custom attributes for animation controls Spline IK and Ribbon setups		15
II	Set Driven Key, Setting up IK/FK switches Connection Editor, Expression Editor, Reference Editor IK Handle Tool, IK Solvers (Rotate Plane, Single Chain, Spline), IK Controls, IK Preferred Angle, Pole Vector Constraint Mechanical Rig Setup: Props, Robots etc. Biped Rig Setup Quadruped Rig Setup		15
III	Introduction to skinning and weight painting Skinning: Smooth Binding, Interactive Binding Editing Skin Weights: Weight Painting, Mirror Skin Weights, Copy Skin Weights, Hammer Skin Weights, Component Editor, Export/Import Skin		15

	Weights Advanced skinning techniques		
IV	Basics of lighting in 3D environments Types of 3D lights (Point, Directional, Spot, Area) Three-point lighting system (Key, Fill, Rim) Shadows and their types (Ray-traced vs. Shadow maps) Colour temperature and mood setting with lights Volumetric lighting and fog effects Global Illumination (GI) and Ambient Occlusion (AO) HDRI lighting for realistic rendering	15	
Total Contact Hours		60	
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> ○ Animation Methods-Rigging Made Easy: Rig Your First Character in Maya: David Rodriguez ○ Maya Character Rigging: Cheryl Cabrera ○ Rig IS Right! Maya Animation Rigging Concepts by Tina ○ Essential Skills in Character Rigging by Nicholas B. Zeman 			

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Third		
Name of the Course	Film Appreciation		
Course Code	M24-GAM-303		
Course Type	DEC-1		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Introduce to the narrative and stylistic techniques used in film making.</p> <p>CLO 2: Understand the fundamentals of cinematic storytelling, including plot structure, character development, and visual composition.</p> <p>CLO 3: Recognize different filmmaking styles (e.g., realism, expressionism, neorealism) and their impact on cinematic expression.</p> <p>CLO 4: Identify the key concepts, model and tools in film criticism.</p>		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Cinema: Origin and evolution Characteristics of the film medium and comparison with other art forms (theatre, painting, photography) Language and grammar of cinema Difference between fiction and non-fiction films		15
II	Film interpretation: Analysis of theme, characters, and narrative structure Impact of visual and sound elements Social, cultural, and political interpretations of films Analysis of classic and contemporary films		15
III	Movie Genres: Westerns and Gangster Films, Mysteries and Horror, Fantasy and Science Fiction (Sci-fi), Thrillers, Romantic Comedy Musicals and Documentaries, Drama Noir and Neo-Noir Cinema Contemporary World Cinema: Characteristics of Hollywood, European, Asian, and Latin American cinema Contributions of significant filmmakers (e.g., Alfred Hitchcock, James Cameron, Stanley Kubrick, Akira Kurosawa, Quentin		15

	Tarantino, Christopher Nolan)		
IV	Indian and South Asian Cinema Indian Parallel Cinema Bollywood and Regional Cinema: Contributions of Indian filmmakers like Satyajit Ray, Ritwik Ghatak, Mrinal Sen, and Shyam Benegal Contemporary independent cinema and changes in the digital era How to review a film Role of a film critic		15
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS			
<ul style="list-style-type: none"> ○ Allen, Robert & Douglas Gomery. <i>Film History: Theory and Practice</i>. New York: McGraw- Hill, Inc., 1987. ○ Carroll, Noel. <i>Mystifying Movies: Fads and Fallacies in Contemporary Film Theory</i>. New York: Columbia University Press, 1988. ○ Gledhill, Christine & Linda Williams. Eds. <i>Reinventing Film Studies</i>. London: Arnold, 2000. ○ Stam, Robert & Toby Miller. Eds. <i>Film and Theory: An Anthology</i>. London: Blackwell Publishers, 2000. ○ Stam, Robert & Toby Miller. Eds. <i>A Companion to Film Theory</i>. London: Blackwell Publishers ○ Giannetti, L. (2017). <i>Understanding Movies</i> (14th ed.). Pearson. ○ Prince, S. (2010). <i>Movies and Meaning: An Introduction to Film</i> (5th ed.). Pearson. ○ Elsaesser, T., & Hagener, M. (2015). <i>Film Theory: An Introduction through the Senses</i> (2nd ed.). Routledge. ○ Corrigan, T., & White, P. (2012). <i>The Film Experience: An Introduction</i> (3rd ed.). Bedford/St. Martin's. ○ Buckland, W. (2015). <i>Film Theory and Contemporary Hollywood Movies</i>. Routledge. ○ Braudy, L., & Cohen, M. (2016). <i>Film Theory and Criticism: Introductory Readings</i> (8th ed.). Oxford University Press. ○ King, G. (2002). <i>New Hollywood Cinema: An Introduction</i>. Columbia University Press. ○ Nichols, B. (2017). <i>Introduction to Documentary</i> (3rd ed.). Indiana University Press. ○ McKee, R. (1997). <i>Story: Substance, Structure, Style and the Principles of Screenwriting</i>. HarperCollins. ○ Thompson, K., & Bordwell, D. (2010). <i>Film History: An Introduction</i> (3rd ed.). McGraw-Hill. ○ Rosenstone, R. A. (2006). <i>History on Film/Film on History</i>. Routledge. 			

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Third		
Name of the Course	Artificial Intelligence (AI)		
Course Code	M24-GAM-304		
Course Type	DEC-1		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: helping learners to understand the world of AI and its applications CLO 2: understand the basics of intelligent agents and learning types CLO 3: learn the different components of AI such as natural language processing, expert system, neural network basics and knowledge representation CLO 4: learn about the impact, opportunities and challenges in the future of AI		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
<u>Instructions for Paper- Setter:</u> The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Definition of artificial intelligence (AI) Brief history and evolution of AI Applications of AI in various fields Basics of machine learning and deep learning		15
II	Intelligent agents: Types of agents Turing test in AI Knowledge based agents Knowledge representation techniques Neural Networks: ANN, RNN and CNN		15
III	Introduction to NLP Text preprocessing techniques Introduction to expert system Introduction to robotics; Applications of AI in robotics Types of robots (industrial robots, autonomous vehicles, drones, etc.)		15
IV	AI applications in healthcare Medical imaging and diagnosis AI in Finance: Algorithmic trading and financial forecasting		15

	Opportunities and challenges in the future of AI Ethical considerations and challenges in AI-driven finance Impact of AI on employment and the workforce Fraud detection and risk management	
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS		
<ul style="list-style-type: none"> - <i>“Artificial Intelligence: A Modern Approach” by Stuart Russell and Peter Norvig</i> - <i>“Deep Learning” by Ian Goodfellow, Yoshua Bengio, and Aaron Courville</i> - <i>“Natural Language Processing with Python” by Steven Bird, Ewan Klein, and Edward Loper</i> - <i>“Robotics: Modelling, Planning and Control” by Bruno Siciliano and Lorenzo Sciavicco</i> - <i>“AI Superpowers: China, Silicon Valley, and the New World Order” by Kai-Fu Lee</i> - <i>“Ethics of Artificial Intelligence and Robotics” edited by Vincent C. Müller and Nick Bostrom</i> 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Third		
Name of the Course	Advertisement Design		
Course Code	M24-GAM-305		
Course Type	DEC-1		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Applying the principles of design CLO 2: The creative process of Advertisement Design CLO 3: Layout Tools, Techniques, Stages and Formats CLO 4: Permanence in advertising design		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Advertising: Meaning, concept and nature, Types /Forms of Advertising Functions of Advertising The creative process Fundamentals of Design: Definition. Approaches to Design Centrality of Design, Elements of Design.		15
II	Principles Advertising Design; Meaning Layout steps and design, Function of Layout, Types of Layouts; Layout Design Principles, Thumbnail Sketch, Story board		15
III	Copy Writing; Types of Copy Writing Body Copy, Headlines, Subheads, Body copy, slogans, Radio and TV and Print advertisement script writing Use and importance of Animation in Advertising Tools and Techniques of Animation in Advertising		15
IV	Conceptualization and Ideation, Translation of ideas into campaigns Visualization; Typography, Physical structure, Printing process; Process of production, color photography and color		15

separation; Desk Top Publishing (DTP) Modern printing technologies		
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> ○ Sandage, Fryburger and Rotzoll (1996) Advertising Theory and Practice. AAITBS Publishers ○ Stansfield, Richard: Advertising Managers Handbook. UBBSPD Publications. Third Edition ○ Advertising Handbook: A Reference Annual on Press TV, Radio and Outdoor Advertising. Different Years ATLANTIS Publications Mohan: ○ Advertising Management: Concepts and Cases. Tata McGraw- Hill Jewler, E (1998): ○ Creative Strategy in Advertising. Thomson Learning ○ Advertising Management Jethwaney, Jaishri and Jain, Shruti (2012), ○ Advertising Management, OUP India Ogilvy, David. (2001). ○ Ogilvy on Advertising, Prion. Valladares, June A. (2000). 		

Session: 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Third		
Name of the Course	UI & UX Lab		
Course Code	M24-GAM-307		
Course Type	PC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO: 1. Understand the process of UI Design.		
	CLO: 2. Able to create User Interface by using digital tools.		
	CLO: 3. Know User Experience Process.		
	CLO: 4. Learn the Techniques to Create Digital Prototype Design		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B-Contents of the Course			
Practical's			Contact Hours
	Analyze existing websites/apps for UI/UX strengths and weaknesses		120
	User Persona		
	Creating user flows and scenarios		
	Information architecture (IA) and site mapping		
	Paper wireframes for a mobile app screen.		
	Low-fidelity wireframes		
	UI components		
	Typography		
	Splash Screen		
	Onboarding Screens		
	Login/Signup Screens		
	Home Screen		
	Navigation Screens/Menus		
	List Screens		
	Detail Screens		
	Forms/Input Screens		
	Confirmation/Success Screens		
	Profile Screens		
	Checkout Screens		
	Prototyping		

Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Practicum	30	➤ Practicum	70
• Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical	
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> • The Design of Everyday Things" by Don Norman • Don't Make Me Think, Revisited: A Common Sense Approach to Web Usability" by Steve Krug • 100 Things Every Designer Needs to Know About People" by Susan Weinschenk • Designing Interfaces" by Jenifer Tidwell • UX for Beginners: A Crash Course in 100 Short Lessons" by Joel Marsh 			

Session: 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Third		
Name of the Course	Motion Design		
Course Code	M24-GAM-308		
Course Type	PC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO: 1. Understand the Motion Design		
	CLO: 2. Able to create Typography Motion Design		
	CLO: 3. Learn and Apply Principals of Motion Design		
	CLO: 4. Learn the Techniques to Create Broadcasting Graphics		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B-Contents of the Course			
Practical's			Contact Hours
	Working With Different Tools		120
	Composition and layer management		
	Working With Timeline		
	Keyframing fundamentals		
	Create a simple animated logo reveal		
	Animate basic shapes using keyframes and easing		
	Animation with Path and Stroke		
	Kinetic Typography Animation		
	Working with Mask and its application		
	Logo Animation		
	Animated Titles		
	3D Composition		
	Creating Animated Icons and UI elements		
	Create animated transitions using masks		
	Using expressions for dynamic animation		
	Animate a character		
	Animated social media Ad		
	Motion Graphics for broadcasting		
	Exporting motion graphics for various platforms (web, social media, video)		

	Create a Show Reel		
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Practicum	30	➤ Practicum	70
• Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical	
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> • Universal Principles of Design" by William Lidwell, Kritina Holden, and Jill Butler • Design for Motion: Fundamentals and Techniques of Motion Design" by Austin Shaw • Motion Graphics in Branding • After Effects Apprentice • Creating Motion Graphics with After Effects: Essential and Advanced Techniques" by Chris Meyer and Trish Meyer 			

Session: 2025-26**Part A - Introduction**

Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Third		
Name of the Course	Image Retouching & Photo Editing		
Course Code	M24-OEC-327		
Course Type	OEC		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understanding the basis of Image Retouching CLO 2: Students will know about the technical knowledge Retouching CLO 3: Explore different image formats CLO 4: Understanding the difference between vector and raster image		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	The role of retouching in different photographic genres (portrait, fashion, commercial, etc.) Understanding the psychology of image perception Understanding the difference between "retouching" and "manipulation" Difference between raster and vector graphics Tools of photoshop	7
II	Layer Pannel Layers and Types of Layers Color theory and its application in retouching Working with HSB mode, Levels and Curves	8

III	Analysis of lighting in various photographic styles Image resolution and pixel density Understanding and pixel density Techniques for color correction	7
IV	Gradient and types of gradient Understanding digital image formats (RAW, JPEG, TIFF, etc.) Filters and Effects Export and Page setup	8
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory: 35
● Class Participation:	4	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	4	
● Mid-Term Exam:	7	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> ○ The Complete Guide to Digitally Lighting, Photographing, And Retouching Faces And Bodies" by Lee Varis ○ The Adobe Photoshop CC Book for Digital Photographers" by Scott Kelby ○ The Photoshop Workbook: Professional Retouching and Compositing Tips, Tricks, and Techniques" by Glyn Dewis 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Fourth		
Name of the Course	Research Methodology		
Course Code	M24-GAM-401		
Course Type	CC-9		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the core principles, types, and ethical considerations involved in research methodology.</p> <p>CLO 2: Utilize suitable research designs, sampling strategies, and data collection techniques to carry out effective research.</p> <p>CLO 3: Interpret and evaluate data using statistical methods and apply relevant software tools for data analysis.</p> <p>CLO 4: Produce clear and organized research reports with accurate citations and effectively communicate findings through presentations.</p>		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics	Contact Hours	
I	Definition and Concept of Research: Meaning, nature, and purpose of research, Characteristics of good research; Types of Research: Basic vs. applied research, Qualitative vs. quantitative research, Exploratory, descriptive and explanatory research Research Process: Identifying the research problem, Review literature, Setting objectives and hypothesis formulation Ethics in Research: Importance of ethical considerations, Plagiarism and academic integrity, Informed consent and confidentiality	15	
II	Research Design: Definition and importance, Components of research design, Types of research design (experimental, correlational, observational, etc.) Sampling Methods: Probability sampling (random, systematic, stratified, cluster), non-probability sampling (convenience, purposive, snowball), Sample size determination	15	

	Data Collection Methods: Primary Data: Surveys, questionnaires, interviews, Observation methods; Secondary Data: Government reports, articles, journals, and online sources Measurement and Scaling: Nominal, ordinal, interval, and ratio scales, Likert scale and semantic differential scale	
III	Data Preparation: Data cleaning and coding, Tabulation and organization of data Descriptive Statistics: Measures of central tendency (mean, median, mode), Measures of dispersion (range, variance, standard deviation), Frequency distribution and graphical representation Inferential Statistics: Hypothesis testing (null and alternative hypotheses), p-value and significance testing, t-test, chi-square test, ANOVA Correlation and Regression Analysis: Pearson and Spearman correlation, Simple and multiple regression models Use of Software for Data Analysis: Introduction to SPSS, Excel, R, or Python for data interpretation	15
IV	Research Report Writing: Structure of the research report, Title page, abstract, introduction, methodology, results, and conclusion, Formatting and referencing (APA, MLA, Chicago, etc.) Citations and Referencing: In-text citations and bibliography, Reference management tools (Zotero, Mendeley, EndNote) Presentation of Research Findings: Preparing PowerPoint presentations, Data visualization (charts, graphs, and tables), Effective communication and presentation skills Plagiarism and Citation Tools: Checking plagiarism (Turnitin, Grammarly), Importance of originality in research Assessment Methods: Assignments and quizzes, Practical application of data collection and analysis methods, Research report submission, Presentation of research findings	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS		
<ul style="list-style-type: none"> ○ Kothari, C. R. (2004). Research Methodology: Methods and Techniques (2nd ed.). New Age International. ○ Creswell, J. W. (2018). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches (5th ed.). SAGE Publications. ○ Bryman, A. (2016). Social Research Methods (5th ed.). Oxford University Press. ○ Babbie, E. (2020). The Practice of Social Research (15th ed.). Cengage Learning. ○ Bhattacharyya, D. K. (2009). Research Methodology (2nd ed.). Excel Books. ○ Graziano, A. M., & Raulin, M. L. (2013). Research Methods: A Process of Inquiry (8th ed.). Pearson. ○ Singh, Y. K. (2006). Fundamentals of Research Methodology and Statistics. New Age International. ○ Cooper, D. R., & Schindler, P. S. (2014). Business Research Methods (12th ed.). McGraw-Hill Education. ○ Saunders, M., Lewis, P., & Thornhill, A. (2019). Research Methods for Business Students (8th ed.). Pearson. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Fourth		
Name of the Course	3D Animation and Rendering		
Course Code	M24-GAM-402		
Course Type	CC-10		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1 : Understanding the basics of 3d Creature Animation CLO 2 : Students will be able to Animate different objets CLO 3 : Understanding the Setup of Animation Keys and In-betweenes CLO 4 : Understanding the different types of Animation Render .		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics	Contact Hours	
I	Definition of Computer-based Animation. Basic Types of Animation . Definition of Modelling. Creation of 3D objects. Exploring the Maya Interface, Controlling & Configuring the Viewports. Working with Files-Selecting Objects & Setting Object Properties, Duplicating Objects, Creating & Editing Standard Primitive & extended Primitives objects, Transforming objects, Pivoting, aligning etc.	15	
II	Quality-Custom,Anti-aliasing Quality,Preview quality, Intermediate quality and Production quality. 3D motion blur production,Motion Blur, Motion blur type, Blur by frame, Blur sharpness and Smooth Multi-pixel Filtering-Use multi pixel filter,Pixel filter type-Field Options-Both fields, interlaced,Renders odd fields only,Even fields. Raytracing Quality,Raytracing- Reflections, Refractions, and shadows . Bias- 3D motion blurred objects and raytraced shadows,If the scene does not contain 3D motion blurred objects or raytraced shadows,	15	

	leave the Bias value as 0. Render Options-Post Processing, Environment fog. Render tessellations- attribute tessellation,Helps manage how Maya handles tessellation information for surfaces.	
III	Limitations of the Hardware 2.0 renderer----Render region is not supported,IPR is not supported, Render layers is not supported, Only color output is supported. Depth channel is currently not supported. File name prefix . Image format. Frame/Animation ext. Frame padding. Frame Range. Image Size.	15
IV	Batch Rendering The full path to 'Render.exe' on the command line, There are several ways of exporting a Maya scene to Maxwell's MXS format,MXS file is a Maxwell Render Scene file,What is an MX file? Exporting Scenes to MXS-Export commands in the File menu-Use active camera: the renderable camera will be the camera in the active (focused) viewport. Camera to use: camera to make renderable. Animation: export the sequence of frames defined in the Frame Range group in the render options panel. Protect geometry: sets the protection flag in the output file. Pack'n'Go: copy the dependencies (textures, IES files etc.) next to the exported MXS file. Will Use Sequence Render	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS		
<ul style="list-style-type: none"> ○ <i>Autodesk Maya 2018 Basics Guide</i> by Kelly L. Murdock ○ <i>The Animator's Survival Kit</i> ○ <i>Understanding 3-D animation using Maya</i> John Edgar Park ○ <i>Essential Skills in Character Rigging</i> by Nicholas B. Zeman ○ <i>3D Animation Essentials (Essentials (John Wiley))</i> ○ <i>Disney Animation: The Illusion of Life</i> ○ The Animator's Survival Kit by Richard E. Williams ○ <i>3D Animation for the Raw Beginner Using Maya</i> Roger King ○ <i>3D Art Essentials: The Fundamentals of 3D Modeling, Texturing, and Animation</i> by Ami Chopine ○ <i>The Art of 3D: Computer Animation and Effects</i> ○ <i>Character Animation in 3D: Use Traditional Drawing Techniques to Produce Stunning CGI Animation</i> Steve Roberts ○ <i>Mastering Lumion 3D</i> by Ciro Cardoso ○ <i>Animated Performance: Bringing Imaginary Animal, Human and Fantasy Characters to Life</i> Nancy Beiman 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Fourth		
Name of the Course	Print and Publishing		
Course Code	M24-GAM-403		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand of the history, evolution, and fundamental concepts of print and publishing.</p> <p>CLO 2: Apply design principles, typography, and layout techniques to create visually appealing print materials.</p> <p>CLO 3: Utilize various printing technologies and processes, including pre-press, press, and post-press operations.</p> <p>CLO 4: Develop skills in publishing and distribution strategies, including marketing and promotion of print content.</p>		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Evolution of printing techniques (from letterpress to digital) Print Media vs. Digital Media: Advantages and limitations, Differences and convergence Types of Print Publications: Books, newspapers, magazines, brochures, banners, posters, and flyers Basics of Printing Processes: Pre-press, press, and post-press stages Colour theory: CMYK vs. RGB Tone, tint, hue, gradient, textures and shades	15	
II	Printing Techniques and Technologies Traditional Printing Methods: Letterpress, offset, gravure, and Screen, flexography Modern Printing Techniques: Digital printing (inkjet, laser), 3D printing in publishing Pre-Press Operations: Image processing and colour correction Proofing and imposition Post-Press Operations: Binding and finishing techniques Lamination, varnishing, embossing	15	

III	<p>Elements: Line, shape, colour, texture, space</p> <p>Principles: Balance, contrast, alignment, proximity</p> <p>Page Layout and Composition: Grid systems, margins, and gutters</p> <p>Typography: Fonts, spacing, readability</p> <p>Software used for Publishing: Adobe InDesign, Photoshop, Illustrator, CorelDRAW, QuarkXPress, MS Word, and PDF formatting</p> <p>Print-Ready File Preparation: Resolution, colour profiles, and bleed settings</p>	15
IV	<p>Digital Publishing and Emerging Trends</p> <p>E-books, digital magazines, and online newspapers</p> <p>Formats and Platforms: EPUB, PDF, MOBI, and HTML5 formats</p> <p>Mobile publishing and Apps: Major e-newspaper apps, vblogs, podcast, Canva</p> <p>Distribution platforms: Kindle, Apple Books, Google Books</p> <p>Legal and Ethical Issues: Copyright and licensing</p>	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
Theory	30	Theory: 70
Class Participation:	5	Written Examination
Seminar/presentation/assignment/quiz/class test etc.:	10	
Mid-Term Exam:	15	
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> ○ Pipes, A. (2007). <i>Foundations of Art and Design</i>. Laurence King Publishing. ○ Ambrose, G., & Harris, P. (2011). <i>The Layout Book</i>. Bloomsbury Publishing. ○ Landa, R. (2014). <i>Graphic Design Solutions</i> (5th ed.). Cengage Learning. ○ Lupton, E. (2014). <i>Thinking with Type: A Critical Guide for Designers, Writers, Editors, and Students</i> (2nd ed.). Princeton Architectural Press. ○ Hollis, R. (2006). <i>Swiss Graphic Design: The Origins and Growth of an International Style, 1920–1965</i>. Yale University Press. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Fourth		
Name of the Course	Information Security		
Course Code	M24-GAM-404		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Define what information is and appreciate the value of information .</p> <p>CLO 2: Understand the CIA triad of Confidentiality, Integrity and Availability</p> <p>CLO 3: Analyze and resolve security issues in networks and computer systems</p> <p>CLO 4: Analyze and resolve security issues in networks and computer systems</p>		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics	Contact Hours	
I	Introduction: Basic concepts: threats, vulnerabilities, controls; risk; confidentiality, integrity, availability; security policies, security mechanisms; assurance; prevention, detection, deterrence Basic cryptography: Basic cryptographic terms, Historical background, Symmetric crypto primitives, Modes of operation, Cryptographic hash functions, Asymmetric crypto primitives	15	
II	Program security: Flaws: Malicious code: viruses, Trojan horses, worms; Program flaws: buffer overflows, time-of-check to time-of-use flaws, incomplete mediation; Defenses: Software development controls, testing techniques Security in conventional operating systems: Memory, time, file, object protection requirements and techniques, Protection in contemporary operating systems	15	
III	Identification and authentication: Identification goals, Authentication requirements, Human authentication, Machine authentication Trusted operating systems: Assurance, trust, design principles, evaluation, criteria, Evaluation process Database management systems security: Database integrity, Database secrecy, Inference control, multilevel databases	15	

IV	Network security: Network threats: eavesdropping, spoofing, modification, denial of service attacks; Introduction to network security techniques: firewalls, virtual private networks, intrusion detection, Management of security: Security policies, Risk analysis, Physical threats and controls Legal aspects of security, Privacy and ethics	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS		
<ul style="list-style-type: none"> ○ Information Security: The Complete Reference, Second Edition; Mark Rhodes-Ousley McGraw Hill Professional, 03-Apr-2013 ○ Fundamentals of Information Security: A Complete Go-to Guide for Beginners to Understand All the Aspects of Information Security by Sanil Nadkarni ○ INFORMATION SECURITY (English, Paperback, Dr. Bhavana S. Karmore) ○ Information Security by Pankaj Sharma, S.K. Kataria & Sons 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Fourth		
Name of the Course	Audio Video Production		
Course Code	M24-GAM-405		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Gain a deep understanding of digital audio and video production principles. CLO 2: Proficiently use industry-standard digital audio and video production tools and software. CLO 3: Produce videos with proper camera settings along with various shots, angles and movements CLO 4: Work on post-production for various projects		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Digital Audio Production – Audio Equipment and Techniques Overview of digital audio principles Introduction to industry-standard equipment and software Basic recording process Different cables, connectors and pins Microphones types and their applications Working on Mixing, Dubbing & Foley Basic audio editing tools Setting up Sound for Live events using audio consoles		15
II	Video production: Pre-production and production Types of cameras and their features Camera operations, Exposure triangle, White balance Different types of shots, angles and movements Rule of 180-degree and 30-degree Video composition and framing		15
III	The Importance of Lighting – Working with lights		15

	Understanding lighting principles Working with different types of lights Working with shadows & Reflectors Multi-point lighting techniques Mood lighting (RGB)	
IV	Introduction to post-production Overview of post-production workflow Workspace of video editing software and tools Working with timeline Working with chroma key Adding video effects using software Synchronization with audio tracks and voice-overs	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS		
<ul style="list-style-type: none"> ○ Senior, Mike; <i>Mixing Secrets for the Small Studio</i> (2nd Edition), Published by Focal Press, a division of Taylor & Francis, ISBN 978-1-13-855637-9 ○ CLOok, Frank D.; <i>Cubase 101; Music Production with Cubase 10</i>, Hal Leonard, 2019 ○ Kaye, Deena; Lebrecht, James (1992). <i>Sound and Music For The Theatre</i>. Back Stage Books, an imprint of Watson-Guption Publications. ○ Zettl, H. (2017). <i>Video basics</i> (8th ed.). Cengage Learning. ISBN 978-1-305-08990-3. ○ Millerson, G., & Owens, J. (2012). <i>Video production handbook</i> (5th ed.). Focal Press. ISBN 978-0-240-82415-4. ○ Kindem, G., & Musburger, R. B. (2012). <i>Introduction to media production: The path to digital media production</i> (4th ed.). Focal Press. ISBN 978-0-240-82184-9. ○ Farnham, J. (2018). <i>Video production: Disciplines and techniques</i> (12th ed.). Pearson. ISBN 978-0-13-460989-4. ○ Bowen, C. J., & Thompson, R. (2017). <i>Grammar of the shot</i> (3rd ed.). Focal Press. ISBN 978-1-138-20824-8. ○ Box, H. C. (2020). <i>Set lighting technician's handbook: Film lighting equipment, practice, and electrical distribution</i> (5th ed.). Routledge. ISBN 978-1-138-34366-6. ○ Brown, B. (2012). <i>Motion picture and video lighting</i> (3rd ed.). Focal Press. ISBN 978-0-240-82151-1. 		

Session: 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Fourth		
Name of the Course	3D Design and Game Engine		
Course Code	M24-GAM-407		
Course Type	PC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO: 1. Understand the 3D Game Design Process		
	CLO: 2. Able to use Game Engine Tools		
	CLO: 3. Learn and Apply Techniques to Create Gaming Assets		
	CLO: 4. Learn the Techniques to Create 3D Game Setup		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B-Contents of the Course			
Practical's			Contact Hours
	Over View of Game Engine		120
	Import and Compose in Game Engine		
	Understanding game objects, components, and transforms.		
	Library and Asset management Tool		
	Compose and Arrange Assets		
	Level creation and basic geometry		
	Physic Simulation		
	Work with Partials		
	Applying materials to objects		
	Setting up basic lighting in a scene		
	Graphic and Material Assets		
	Model Assets		
	Low & High Polygon Modelling		
	Texture and Baking		
	Create Environment		
	Gameplay Mechanics: Create Controls		
	Game Engine Resources		
	Multi Virtual Camera Angle		
	Rendering		
Suggested Evaluation Methods			

Internal Assessment: 30		End Term Examination: 70	
➤ Practicum	30	➤ Practicum	70
• Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical	
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> • "Game Engine Architecture" by Jason Gregory • "Mathematics for 3D Game Programming and Computer Graphics" by Eric Lengyel • "3D Math Primer for Graphics and Game Development" by Fletcher Dunn • "Real-Time Rendering" by Tomas Akenine-Möller, Eric Haines, and Naty Hoffman • "Graphics Shaders: Theory and Practice" • "Physics for Game Developers: Science, Math, and Code for Realistic Effects" by David Bourg 			

Session: 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Fourth		
Name of the Course	VFX Production Lab		
Course Code	M24-GAM-408		
Course Type	PC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO: 1. Understand the VFX		
	CLO: 2. Able to Create and Use Effects digital VFX		
	CLO: 3. Learn and Apply tools of VFX		
	CLO: 4. Learn the Techniques to Create 3D Visual Effects		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B-Contents of the Course			
Practical's			Contact Hours
	Masking		120
	Rotoscoped animation sequence		
	Keyed green screen composite		
	Working with mattes and alpha channels.		
	Background Change		
	Superimpose Technique		
	colour correction and grading		
	Virtual Camera		
	Object Tracking and Stabilization		
	Working with effects and presets in After Effects		
	Introduction to particle systems		
	Creating particle effects		
	Compose 3D assets for VFX		
	Introduction to fluid simulations		
	Working with Element 3D		
	Creating a sci-fi scene with 3D elements and particle effects		
	Create a short VFX sequence		
	Apply visual effects to video clips		
	Explainer video project		
	Rendering and Authoring		
Suggested Evaluation Methods			

Internal Assessment: 30		End Term Examination: 70	
➤ Practicum	30	➤ Practicum	70
• Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical	
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> • The VES Handbook of Visual Effects: Industry Standard VFX Practices and Procedures • The Art and Science of Digital Compositing" by Ron Brinkmann • Matchmoving: The Invisible Art of Camera Tracking" by Tim Dobbert • The Digital Matte Painting Handbook" by David B. Mattingly • Physics for Animators 			

Session 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc. Graphic Animation and Multimedia		
Semester	4 th		
Name of the Course	Digital Marketing Entrepreneurship		
Course Code	M24-GAM-409		
Course Type	EEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 411.1: Understand the concept of Digital Marketing CLO 411.2: Understand the term search engine and its techniques CLO 411.3: Do career planning and improve self-esteem. CLO 411.4: Enhance the employability skills		
Credits	Theory	Tutorial	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours	-	-
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Concept and Importance of Digital Marketing, Traditional Marketing vs Digital Marketing Digital Marketing Channels and Trends, Customer Journey and Digital Consumer Behavior Website Structure and Design, Domain, Hosting, Landing Pages and Conversion Optimization		8
II	Search Engines, Keyword Research and Content Optimization On-Page, Off-Page, and Technical SEO, Local SEO and SEO Tools, Introduction to Paid Advertising, Google Ads: Account Setup,		7

	Campaign Types, and Bidding, Ad Copywriting and Quality Score Performance Tracking and Optimization	
III	Concept of Entrepreneur & Entrepreneurship; Employment vs entrepreneurship; Role of employment & entrepreneurship in economic development; objectives of employment generation; Career planning; Individual's role, values and motivation; Self-esteem; Goal setting; Institutes to promote employment and entrepreneurship; development of entrepreneurial mind set	7
IV	Employability skills: Importance, types- Reading and comprehension skills; Listening skills; Speaking skills; Writing skills; Thinking skills- critical thinking, creative thinking; Note taking system, role of IT in note taking; Preparation for test taking; Multiple intelligence; Time management.	8
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory 35
• Class Participation:	4	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	4	
• Mid-Term Exam:	7	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Dixit, S. and Yadav, N.: Employability Skills, BFC Publications, Lucknow. • Janki Ram, B. and Rizwana, M.: Entrepreneurship Development, Excel Books, New Delhi. • Khanka, S.S.: Entrepreneurial Development, S. Chand and Company, New Delhi. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Fourth		
Name of the Course	Research Methodology		
Course Code	M24-GAM-401		
Course Type	CC-9		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the core principles, types, and ethical considerations involved in research methodology.</p> <p>CLO 2: Utilize suitable research designs, sampling strategies, and data collection techniques to carry out effective research.</p> <p>CLO 3: Interpret and evaluate data using statistical methods and apply relevant software tools for data analysis.</p> <p>CLO 4: Produce clear and organized research reports with accurate citations and effectively communicate findings through presentations.</p>		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics	Contact Hours	
I	Definition and Concept of Research: Meaning, nature, and purpose of research, Characteristics of good research; Types of Research: Basic vs. applied research, Qualitative vs. quantitative research, Exploratory, descriptive and explanatory research Research Process: Identifying the research problem, Review literature, Setting objectives and hypothesis formulation Ethics in Research: Importance of ethical considerations, Plagiarism and academic integrity, Informed consent and confidentiality	15	
II	Research Design: Definition and importance, Components of research design, Types of research design (experimental, correlational, observational, etc.) Sampling Methods: Probability sampling (random, systematic, stratified, cluster), non-probability sampling (convenience, purposive, snowball), Sample size determination Data Collection Methods: Primary Data: Surveys, questionnaires, interviews, Observation methods; Secondary Data: Government	15	

	reports, articles, journals, and online sources Measurement and Scaling: Nominal, ordinal, interval, and ratio scales, Likert scale and semantic differential scale	
III	Data Preparation: Data cleaning and coding, Tabulation and organization of data Descriptive Statistics: Measures of central tendency (mean, median, mode), Measures of dispersion (range, variance, standard deviation), Frequency distribution and graphical representation Inferential Statistics: Hypothesis testing (null and alternative hypotheses), p-value and significance testing, t-test, chi-square test, ANOVA Correlation and Regression Analysis: Pearson and Spearman correlation, Simple and multiple regression models Use of Software for Data Analysis: Introduction to SPSS, Excel, R, or Python for data interpretation	15
IV	Research Report Writing: Structure of the research report, Title page, abstract, introduction, methodology, results, and conclusion, Formatting and referencing (APA, MLA, Chicago, etc.) Citations and Referencing: In-text citations and bibliography, Reference management tools (Zotero, Mendeley, EndNote) Presentation of Research Findings: Preparing PowerPoint presentations, Data visualization (charts, graphs, and tables), Effective communication and presentation skills Plagiarism and Citation Tools: Checking plagiarism (Turnitin, Grammarly), Importance of originality in research Assessment Methods: Assignments and quizzes, Practical application of data collection and analysis methods, Research report submission, Presentation of research findings	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS		
<ul style="list-style-type: none"> ○ Kothari, C. R. (2004). Research Methodology: Methods and Techniques (2nd ed.). New Age International. ○ Creswell, J. W. (2018). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches (5th ed.). SAGE Publications. ○ Bryman, A. (2016). Social Research Methods (5th ed.). Oxford University Press. ○ Babbie, E. (2020). The Practice of Social Research (15th ed.). Cengage Learning. ○ Bhattacharyya, D. K. (2009). Research Methodology (2nd ed.). Excel Books. ○ Graziano, A. M., & Raulin, M. L. (2013). Research Methods: A Process of Inquiry (8th ed.). Pearson. ○ Singh, Y. K. (2006). Fundamentals of Research Methodology and Statistics. New Age International. ○ Cooper, D. R., & Schindler, P. S. (2014). Business Research Methods (12th ed.). McGraw-Hill Education. ○ Saunders, M., Lewis, P., & Thornhill, A. (2019). Research Methods for Business Students (8th ed.). Pearson. 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Fourth		
Name of the Course	Print and Publishing		
Course Code	M24-GAM-403		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand of the history, evolution, and fundamental concepts of print and publishing.</p> <p>CLO 2: Apply design principles, typography, and layout techniques to create visually appealing print materials.</p> <p>CLO 3: Utilize various printing technologies and processes, including pre-press, press, and post-press operations.</p> <p>CLO 4: Develop skills in publishing and distribution strategies, including marketing and promotion of print content.</p>		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics	Contact Hours	
I	Evolution of printing techniques (from letterpress to digital) Print Media vs. Digital Media: Advantages and limitations, Differences and convergence Types of Print Publications: Books, newspapers, magazines, brochures, banners, posters, and flyers Basics of Printing Processes: Pre-press, press, and post-press stages Colour theory: CMYK vs. RGB Tone, tint, hue, gradient, textures and shades	15	
II	Printing Techniques and Technologies Traditional Printing Methods: Letterpress, offset, gravure, and Screen, flexography Modern Printing Techniques: Digital printing (inkjet, laser), 3D printing in publishing Pre-Press Operations: Image processing and colour correction Proofing and imposition Post-Press Operations: Binding and finishing techniques Lamination, varnishing, embossing	15	

III	<p>Elements: Line, shape, colour, texture, space</p> <p>Principles: Balance, contrast, alignment, proximity</p> <p>Page Layout and Composition: Grid systems, margins, and gutters</p> <p>Typography: Fonts, spacing, readability</p> <p>Software used for Publishing: Adobe InDesign, Photoshop, Illustrator, CorelDRAW, QuarkXPress, MS Word, and PDF formatting</p> <p>Print-Ready File Preparation: Resolution, colour profiles, and bleed settings</p>	15
IV	<p>Digital Publishing and Emerging Trends</p> <p>E-books, digital magazines, and online newspapers</p> <p>Formats and Platforms: EPUB, PDF, MOBI, and HTML5 formats</p> <p>Mobile publishing and Apps: Major e-newspaper apps, vblogs, podcast, Canva</p> <p>Distribution platforms: Kindle, Apple Books, Google Books</p> <p>Legal and Ethical Issues: Copyright and licensing</p>	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
Theory	30	Theory: 70
Class Participation:	5	Written Examination
Seminar/presentation/assignment/quiz/class test etc.:	10	
Mid-Term Exam:	15	
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> ○ Pipes, A. (2007). <i>Foundations of Art and Design</i>. Laurence King Publishing. ○ Ambrose, G., & Harris, P. (2011). <i>The Layout Book</i>. Bloomsbury Publishing. ○ Landa, R. (2014). <i>Graphic Design Solutions</i> (5th ed.). Cengage Learning. ○ Lupton, E. (2014). <i>Thinking with Type: A Critical Guide for Designers, Writers, Editors, and Students</i> (2nd ed.). Princeton Architectural Press. ○ Hollis, R. (2006). <i>Swiss Graphic Design: The Origins and Growth of an International Style, 1920–1965</i>. Yale University Press. 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Fourth		
Name of the Course	Information Security		
Course Code	M24-GAM-404		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Define what information is and appreciate the value of information .</p> <p>CLO 2: Understand the CIA triad of Confidentiality, Integrity and Availability</p> <p>CLO 3: Analyze and resolve security issues in networks and computer systems</p> <p>CLO 4: Analyze and resolve security issues in networks and computer systems</p>		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics	Contact Hours	
I	Introduction: Basic concepts: threats, vulnerabilities, controls; risk; confidentiality, integrity, availability; security policies, security mechanisms; assurance; prevention, detection, deterrence Basic cryptography: Basic cryptographic terms, Historical background, Symmetric crypto primitives, Modes of operation, Cryptographic hash functions, Asymmetric crypto primitives	15	
II	Program security: Flaws: Malicious code: viruses, Trojan horses, worms; Program flaws: buffer overflows, time-of-check to time-of-use flaws, incomplete mediation; Defenses: Software development controls, testing techniques Security in conventional operating systems: Memory, time, file, object protection requirements and techniques, Protection in contemporary operating systems	15	
III	Identification and authentication: Identification goals, Authentication requirements, Human authentication, Machine authentication Trusted operating systems: Assurance, trust, design principles, evaluation, criteria, Evaluation process Database management systems security: Database integrity, Database secrecy, Inference control, multilevel databases	15	

IV	Network security: Network threats: eavesdropping, spoofing, modification, denial of service attacks; Introduction to network security techniques: firewalls, virtual private networks, intrusion detection, Management of security: Security policies, Risk analysis, Physical threats and controls Legal aspects of security, Privacy and ethics	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS		
<ul style="list-style-type: none"> ○ Information Security: The Complete Reference, Second Edition; Mark Rhodes-Ousley McGraw Hill Professional, 03-Apr-2013 ○ Fundamentals of Information Security: A Complete Go-to Guide for Beginners to Understand All the Aspects of Information Security by Sanil Nadkarni ○ INFORMATION SECURITY (English, Paperback, Dr. Bhavana S. Karmore) ○ Information Security by Pankaj Sharma, S.K. Kataria & Sons 		

Session: 2025-26			
Part A - Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	Fourth		
Name of the Course	Audio Video Production		
Course Code	M24-GAM-405		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Gain a deep understanding of digital audio and video production principles. CLO 2: Proficiently use industry-standard digital audio and video production tools and software. CLO 3: Produce videos with proper camera settings along with various shots, angles and movements CLO 4: Work on post-production for various projects		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Digital Audio Production – Audio Equipment and Techniques Overview of digital audio principles Introduction to industry-standard equipment and software Basic recording process Different cables, connectors and pins Microphones types and their applications Working on Mixing, Dubbing & Foley Basic audio editing tools Setting up Sound for Live events using audio consoles		15
II	Video production: Pre-production and production Types of cameras and their features Camera operations, Exposure triangle, White balance Different types of shots, angles and movements Rule of 180-degree and 30-degree Video composition and framing		15
III	The Importance of Lighting – Working with lights		15

	Understanding lighting principles Working with different types of lights Working with shadows & Reflectors Multi-point lighting techniques Mood lighting (RGB)	
IV	Introduction to post-production Overview of post-production workflow Workspace of video editing software and tools Working with timeline Working with chroma key Adding video effects using software Synchronization with audio tracks and voice-overs	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS		
<ul style="list-style-type: none"> ○ Senior, Mike; <i>Mixing Secrets for the Small Studio</i> (2nd Edition), Published by Focal Press, a division of Taylor & Francis, ISBN 978-1-13-855637-9 ○ CLOok, Frank D.; <i>Cubase 101; Music Production with Cubase 10</i>, Hal Leonard, 2019 ○ Kaye, Deena; Lebrecht, James (1992). <i>Sound and Music For The Theatre</i>. Back Stage Books, an imprint of Watson-Guption Publications. ○ Zettl, H. (2017). <i>Video basics</i> (8th ed.). Cengage Learning. ISBN 978-1-305-08990-3. ○ Millerson, G., & Owens, J. (2012). <i>Video production handbook</i> (5th ed.). Focal Press. ISBN 978-0-240-82415-4. ○ Kindem, G., & Musburger, R. B. (2012). <i>Introduction to media production: The path to digital media production</i> (4th ed.). Focal Press. ISBN 978-0-240-82184-9. ○ Farnham, J. (2018). <i>Video production: Disciplines and techniques</i> (12th ed.). Pearson. ISBN 978-0-13-460989-4. ○ Bowen, C. J., & Thompson, R. (2017). <i>Grammar of the shot</i> (3rd ed.). Focal Press. ISBN 978-1-138-20824-8. ○ Box, H. C. (2020). <i>Set lighting technician's handbook: Film lighting equipment, practice, and electrical distribution</i> (5th ed.). Routledge. ISBN 978-1-138-34366-6. ○ Brown, B. (2012). <i>Motion picture and video lighting</i> (3rd ed.). Focal Press. ISBN 978-0-240-82151-1. 		

Session 2025-26			
Part A - Introduction			
Name of the Programme	M.Sc. Graphic Animation and Multimedia		
Semester	4 th		
Name of the Course	Digital Marketing Entrepreneurship		
Course Code	M24-GAM-409		
Course Type	EEC		
Level of the course (As per Annexure-I)	500-599		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 411.1: Understand the concept of Digital Marketing CLO 411.2: Understand the term search engine and its techniques CLO 411.3: Do career planning and improve self-esteem. CLO 411.4: Enhance the employability skills		
Credits	Theory	Tutorial	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours	-	-
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Concept and Importance of Digital Marketing, Traditional Marketing vs Digital Marketing Digital Marketing Channels and Trends, Customer Journey and Digital Consumer Behavior Website Structure and Design, Domain, Hosting, Landing Pages and Conversion Optimization		8
II	Search Engines, Keyword Research and Content Optimization On-Page, Off-Page, and Technical SEO, Local SEO and SEO Tools, Introduction to Paid Advertising, Google Ads: Account Setup,		7

	Campaign Types, and Bidding, Ad Copywriting and Quality Score Performance Tracking and Optimization	
III	Concept of Entrepreneur & Entrepreneurship; Employment vs entrepreneurship; Role of employment & entrepreneurship in economic development; objectives of employment generation; Career planning; Individual's role, values and motivation; Self-esteem; Goal setting; Institutes to promote employment and entrepreneurship; development of entrepreneurial mind set	7
IV	Employability skills: Importance, types- Reading and comprehension skills; Listening skills; Speaking skills; Writing skills; Thinking skills- critical thinking, creative thinking; Note taking system, role of IT in note taking; Preparation for test taking; Multiple intelligence; Time management.	8
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory 35
• Class Participation:	4	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	4	
• Mid-Term Exam:	7	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Dixit, S. and Yadav, N.: Employability Skills, BFC Publications, Lucknow. • Janki Ram, B. and Rizwana, M.: Entrepreneurship Development, Excel Books, New Delhi. • Khanka, S.S.: Entrepreneurial Development, S. Chand and Company, New Delhi. 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Graphic Animation and Multimedia		
Semester	4 th		
Name of the Course	Dissertation/Project Work		
Course Code	M24-GAM -410		
Course Type	Dissertation/Project Work		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To understand the fundamental of media research ● To understand the research methodology and research design ● To understand data analysis and data coding ● To understand the research thesis / report/ dissertation writing ● To understand the use of computer software 		
Credits	Theory	Practical	Total
	0	12	12
Teaching Hours per week	0	0	0
Internal Assessment Marks	0	0	0
End Term Exam Marks	0	0	0
Max. Marks	0	300	300
Part B- Contents of the Course			
Research Project and Guidelines			Contact Hours
<p>Research Project and Guidelines</p> <ul style="list-style-type: none"> ● Identify Research Problem ● Write a synopsis ● Do review of Literature ● Frame Research questions and Hypothesis ● Frame objectives ● Design Methodology ● Prepare data collection tool ● Collect Data ● Draw conclusions ● Write thesis / Dissertation ● Every student has to publish and write a research paper alongwith dissertation. <p>Evaluation of the thesis will be on the basis of Quality of Above Research. Supervisor will be allotted to each student of research honors Viva vice will be conducted in front of a three member committee constituted by the Institute.</p> <p>Submissions related to research Prepare a Questionnaire Prepare a code book Prepare Google form Prepare charts and tables</p>			

	Write review of literature Data coding with SPSS software			
Suggested Evaluation Methods				
Internal Assessment			End Term Examination : 300	
	➤ ` Practicum	0	➤ Practicum	300
	Report	0	100	100
	Viva-Voce	0	200	200
	Max. Marks	0	300	300

Kurukshetra University, Kurukshetra
(Established by the State Legislature Act-XII of 1956)
("A++" Grade, NAAC Accredited)



Scheme of Examination
for
Post Graduate Programme
M.Sc. Mass Communication

as per NEP 2020

Curriculum and Credit Framework for Postgraduate Programme
With Multiple Entry-Exit, Internship and CBCS-LOCF
With effect from the session 2025-26 (in phased manner)

Institute of Mass Communication and Media Technology
Faculty of Commerce and Management

Kurukshetra University, Kurukshetra, 136119
Haryana, India

Programme Learning Outcomes(PLOs) for PG Programmes as per NEP-2020

PLOs	M.Sc. Mass Communication
	After the completion of Master degree in Mass Communication the student will be able to:
PLO-1: Knowledge and Understanding	Demonstrate the fundamental and advanced knowledge of the subject and understanding of recent developments and issues, including methods and techniques, related to Mass Communication.
PLO-2: General Skills	Acquire the general skills required for performing and accomplishing the tasks as expected to be done by a skilled professional in the fields of Mass Communication.
PLO-3: Technical/ Professional Skills	Demonstrate the learning of advanced cognitive technical/professional skills required for completing the specialized tasks related to the profession and for conducting and analyzing the relevant research tasks in different domains of Mass Communication.
PLO-4: Communication Skills	Effectively communicate the attained skills of Mass Communication in well-structured and productive manner to the society at large.
PLO-5: Application of Knowledge and Skills	Apply the acquired knowledge and skills to the problems in the subject area, and to identify and analyze the issues where the attained knowledge and skills can be applied by carrying out research investigations to formulate evidence-based solutions to complex and unpredictable problems associated with the field of Mass Communication or otherwise.
PLO-6: Critical thinking and Research Aptitude	Attain the capability of critical thinking in intra/inter-disciplinary areas of Mass Communication enabling to formulate, synthesize, and articulate issues for designing of research proposals, testing hypotheses, and drawing inferences based on the analysis.
PLO-7: Constitutional, Humanistic, Moral Values and Ethics	Know constitutional, humanistic, moral and ethical values, and intellectual property rights to become a scholar/professional with ingrained values in expanding knowledge for the society, and to avoid unethical practices such as fabrication, falsification or misrepresentation of data or committing plagiarism.
PLO-8: Capabilities/qualities and mindset	To exercise personal responsibility for the outputs of own work as well as of group/team and for managing complex and challenging work(s) that requires new/strategic approaches.
PLO-9: Employability and job-ready skills	Attain the knowledge and skills required for increasing employment potential, adapting to the future work and responding to the rapidly changing demands of the employers/industry/society with time.

Kurukshetra University, Kurukshetra
Scheme of Examination for Postgraduate Programme M.Sc. Mass Communication
as per NEP 2020 Curriculum and Credit Framework for
Postgraduate Programmes (CBCS LOCF) with effect from
the session 2025-26 (in phased manner)

Framework-1
Scheme-P

Semester	Course Type	Course Code	Nomenclature of course	Theory (T)/ Practical (P)	Credits		Contact hours per week L: Lecture P: Practical T: Tutorial				Internal Assessment Marks	End Term Examination Marks	Total Marks	Examination hours
						Total	L	T	P	Total				
1	CC-1	M24-MCM - 101	Communication Theory	T	4	22	4	0	0	4	30	70	100	3
	CC-2	M24-MCM - 102	Print and Broadcast Journalism	T	4		4	0	0	4	30	70	100	3
	CC-3	M24-MCM - 103	Media Policy and Regulations	T	4		4	0	0	4	30	70	100	3
	PC-1	M24-MCM - 104	Content Writing	P	4		0	0	8	8	30	70	100	4
	PC-2	M24-MCM - 105	Communication and Presentation Skills	P	4		0	0	8	8	30	70	100	4
	SEMINAR	M24-MCM - 106	Seminar	S	2		0	0	0	2	0	50	50	1
2	CC-4	M24-MCM - 201	Advertising and Branding	T	4	22	4	0	0	4	30	70	100	3
	CC-5	M24-MCM - 202	Radio Production Techniques	T	4		4	0	0	4	30	70	100	3
	CC-6	M24-MCM - 203	Film studies	T	4		4	0	0	4	30	70	100	3
	PC-3	M24-MCM - 204	Sound Design And Production	P	4		0	0	8	8	30	70	100	4
	PC-4	M24-MCM -205	Photography and Videography	P	4		0	0	8	8	30	70	100	4
	CHM	M24-CHM-	Constitutional Human and	T	2		2	0	0	2	15	35	50	3

		201	Moral Values and IPR											
	Internship	M24-INT - 200	An internship course of 4 Credits of 4-6 weeks duration during summer vacation after IInd semester is to be completed by every student. Internship can be either for enhancing the employability or for developing the research aptitude.										100	
3	CC-7	M24-MCM - 301	PR and Corporate Communication	T	4	22	4	0	0	4	30	70	100	3
	CC-8	M24-MCM - 302	TV production Techniques	T	4		4	0	0	4	30	70	100	3
	DEC-1 (Choose any one out of M24-MCM-303 to M24-MCM-306)	M24-MCM-303	Development Communication	T	4		4	0	0	4	30	70	100	3
		M24-MCM-304	Screenplay Writing	T	4		4	0	0	4	30	70	100	3
		M24-MCM-305	Event Management	T	4		4	0	0	4	30	70	100	3
		M24-MCM-306	MOOC course from Swayam Portal or other approved portals of equal credits											
	PC-5	M24-MCM -307	Film and Documentary Production	P	4		0	0	8	8	30	70	100	4
	PC-6	M24-MCM -308	Audio-Video Editing	P	4		0	0	8	8	30	70	100	4
OEC	M24-OEC-326	Stage Anchoring and Public Speaking (For students of other programmes)	T	2	2	0	0	2	15	35	50	3		
4	CC-9	M24-MCM-401	Advanced Media Research	T	4	22	4	0	0	4	30	70	100	3
	CC-10	M24-MCM-402	Political Communication and Strategies	T	4		4	0	0	4	30	70	100	3
	DEC-2 (Choose any one out of	M24-MCM-403	Film Production	T	4		4	0	0	4	30	70	100	3

M24-MCM-403 to M24-MCM-406)	M24-MCM-404	Mobile Journalism and Production	T	4	22	4	0	0	4	30	70	100	3	
	M24-MCM-405	Data Visualization and Analytics	T	4		4	0	0	4	30	70	100	3	
	M24-MCM-406	MOOC course from Swayam Portal or other approved portals of equal credits												
	PC-7	M24-MCM-407	Research paper writing and publication	P		4	0	0	8	8	30	70	100	4
	PC-8	M24-MCM-408	E-content designing and production	P		4	0	0	8	8	30	70	100	4
	EEC	M24-MCM-409	Digital Marketing and Entrepreneurship in Media	T		2	2	0	0	2	15	35	50	3
OR DISSERTATION														
NOTE: IF A CANDIDATE OPTS FOR DISSERTATION/PROJECT WORK, HE/SHE WILL STUDY CC-9, DEC-2 AND EEC COURSES ALSO IN THE 4TH SEMESTER														
CC-9	M24-MCM-401	Advanced Media Research	T	4		4	0	0	4	30	70	100	3	
DEC-2 (Choose any one out of M24-MCM-403 to M24-MCM-406)	M24-MCM-403	Film Production	T	4		4	0	0	4	30	70	100	3	
	M24-MCM-404	Mobile Journalism and Production	T	4		4	0	0	4	30	70	100	3	
	M24-MCM-405	Data Visualization and Analytics	T	4		4	0	0	4	30	70	100	3	
	M24-MCM-406	MOOC course from Swayam Portal or other approved portals of equal credits												
EEC	M24-MCM-409	Digital Marketing and Entrepreneurship in Media	T	2		2	0	0	2	15	35	50	3	
Dissertation/Project Work	M24-MCM-410	Dissertation/Project Work	D	12		0	0	0	12	0	300	300		

Kurukshetra University, Kurukshetra
(Established by the State Legislature Act-
XII of 1956) (“A++” Grade, NAAC
Accredited)



Syllabus
for
Post Graduate Programme
M.Sc. Mass Communication

as per NEP 2020
Curriculum and Credit Framework for Postgraduate Programme
With Multiple Entry-Exit, Internship and CBCS-LOCF
With effect from the session 2025-26 (in phased manner)

Institute of Mass Communication and Media
Technology
Faculty of Commerce and Management

Kurukshetra University, Kurukshetra, 136119
Haryana, India

**MSc Mass Communication
IIIrd Semester**

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass communication		
Semester	3		
Name of the Course	PR and Corporate Communication		
Course Code	M24 –MCM-301		
Course Type	CC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To provide in-depth knowledge of Public Relations and Corporate Communication theories and practices. ● To develop practical PR writing, media handling, and corporate reputation management skills. ● To understand stakeholder engagement, internal communication, and crisis management. ● To prepare students for industry roles through hands-on exposure to PR tools, campaigns, and strategies. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	<p>Foundations of PR and Corporate Communication Definition, evolution, scope, and objectives of Public Relations Key concepts: Publics, opinion, image, identity, and reputation Role of PR in corporate settings, NGOs, government, and politics Ethics in PR: Code of conduct (IPRA, PRSI) and legal considerations Difference and overlap: PR, Advertising, Marketing, and Corporate Communication</p>		14
II	<p>PR Tools, Techniques, and Strategies Writing for PR: Press releases, media kits, backgrounders, pitch letters Media relations: Press conferences, media briefings, interviews</p>		16

	PR campaigns: Planning, execution, and evaluation (RACE model) Events and sponsorships as PR tools New media and digital PR: Social media strategy and influencer collaboration	
III	Corporate Communication and Internal Branding Role of corporate communication in organizational strategy Internal communication: Employee engagement, newsletters Corporate identity and image building Stakeholder mapping and relationship management CSR communication and sustainability narratives	15
IV	Crisis Communication and Reputation Management Types and causes of crises: Natural, financial, legal, technological Crisis communication planning: Pre-crisis, response, post-crisis recovery Reputation management frameworks and measurement Case studies: PR disasters and successful recoveries Media handling during crises	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Dennis L. Wilcox & Glen T. Cameron – Public Relations: Strategies and Tactics 2. Jaishri Jethwaney – Corporate Communication: Principles and Practice 3. Cutlip, Center & Broom – Effective Public Relations 4. Sandra Oliver – Strategic Communication Management 5. Paul A. Argenti – Corporate Communication 		

Session: 2025-26			
Part A – Introduction			
Name of the Programme	M.Sc. Mass Communication		
Semester	3		
Name of the Course	TV Production Techniques		
Course Code	M24 –MCM-302		
Course Type	CC-8		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To equip students with theoretical knowledge and hands-on skills in television production. • To understand the technical and creative aspects of scripting, shooting, editing, and broadcasting. • To explore the roles and workflows of a TV production team. • To provide practical experience in creating TV content across genres. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Television Production History and evolution of TV broadcasting and production Types of TV programs: News, documentaries, talk shows, fiction, reality shows Overview of studio and field production workflows Roles and responsibilities: Producer, director, camera crew, editor, floor manager, etc. Stages of production: Pre-production, production, post-production		15
II	Script, Storyboard, and Production Planning Concept development and pitching ideas Types of TV scripts: Shooting script, rundown, two-column script Scriptwriting for different formats (news, feature, drama, infotainment) Storyboarding: Visualizing the script		15

	Budgeting, scheduling, and resource planning	
III	Camera, Lighting, and Sound Techniques Types of cameras and their functions Camera movements, framing, composition, and shot types Lighting techniques: Key, fill, backlight; studio and outdoor lighting setups Microphones and audio acquisition: Types and placement Multi-camera vs. single-camera production	15
IV	Editing, Graphics, and Broadcast Techniques Basics of non-linear editing (NLE) Editing principles: Continuity, match cuts, montage Use of graphics, text, transitions, and visual effects Broadcast standards and formats (SD, HD, 4K; PAL, NTSC) Emerging trends: OTT production, virtual production, mobile journalism	15
	Note: Scope of the syllabus shall be restricted to generic and introductory level of mentioned topics.	
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
1. Herbert Zettl – Television Production Handbook		
2. Gerald Millerson & Jim Owens – Television Production		
3. Robert Musburger – Single-Camera Video Production		
4. Steve Wetzel – Video Production Techniques		
5. Andrew Utterback – Studio Television Production and Directing		

Session: 2025-26	
Part A – Introduction	
Name of Programme	MSc Mass communication
Semester	3
Name of the Course	Development Communication
Course Code	M24 –MCM-303
Course Type	DEC-1
Level of the course	500-599
Pre-requisite for the course (if any)	-
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To introduce students to the theories, models, and history of development communication. ● To understand how media and communication strategies can promote social change.

	<ul style="list-style-type: none"> To analyze real-world campaigns and design communication interventions. To equip students with practical skills in producing development-oriented content for diverse platforms. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to Development Communication Definition, evolution, and scope of development communication Key concepts: Empowerment, participation, sustainability, behavior change Pioneers in development communication: Daniel Lerner, Everett Rogers, Wilbur Schramm Development paradigms: Dominant paradigm vs. participatory approach Role of communication in national development (health, education, environment, rural development)		14
II	Theories, Models, and Strategies Diffusion of Innovations Theory (Everett Rogers) Participatory Communication Model (Paulo Freire) Social Marketing and Behavior Change Communication (BCC) Communication for Social Change (CFSC) Strategic use of traditional and modern media in development campaigns		16
III	Media for Development Radio, television, and community media in rural and urban outreach Print media and folk media (street theatre, puppetry, folk songs) ICTs and digital media: Role of mobile, internet, and social platforms Case studies: SITE, Kheda project, UNESCO's Media for Development, UNICEF campaigns Ethical issues and challenges in development communication		15
IV	Campaign Planning and Evaluation Communication needs assessment and audience analysis Designing development communication campaigns: Message design, channel selection Implementation and media mix strategy Monitoring and evaluating impact: Indicators and feedback Government agencies and NGOs in development communication (UNESCO, UNICEF, WHO, DAVP)		15

		Total Contact Hours		60
Suggested Evaluation Methods				
Internal Assessment: 30			End Term Examination: 70	
➤ Theory		30	➤ Theory: 70	
●Class Participation:		5	Written Examination	
●Seminar/presentation/assignment/quiz/class test etc.:		10		
●Mid-Term Exam:		15		
Part C-Learning Resources				
Recommended Books/e-resources/LMS:				
<ol style="list-style-type: none"> 1. Dr. Madhu Deep Singh , Media Plurality and Diversity ,2018 2. Srinivas R. Melkote & H. Leslie Steeves – Communication for Development in the Third World 3. Nora Quebral – Development Communication: The Past, the Present and the Future 4. Everett Rogers – Diffusion of Innovations 5. Servaes, J. (Ed.) – Approaches to Development Communication 6. UNESCO and FAO Reports – Communication and Development Casebooks and Guidelines 				

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass communication		
Semester	3		
Name of the Course	Screenplay Writing		
Course Code	M24 –MCM-304		
Course Type	DEC-1		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To develop a deep understanding of screenwriting structure, form, and style. ● To train students in writing for different screen formats (short films, features, web series). ● To explore character development, dialogue, and visual storytelling. ● To produce original, industry-standard screenplay drafts through practical workshops. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction to Screenwriting What is a screenplay? Screenwriting vs. other forms of writing Elements of a screenplay: Scene headings, action lines, dialogue, transitions Formats: Short film, feature film, TV and web series The concept of visual storytelling Understanding screenplay software: Final Draft, Celtx, WriterDuet		14
II	Story Structure and Narrative Techniques Three-act structure, Hero's Journey, nonlinear storytelling Inciting incident, plot points, climax, and resolution Story beats and turning points Writing loglines, synopses, and treatments Genre conventions and expectations		16
III	Character and Dialogue Development Creating compelling protagonists, antagonists, and supporting characters Character arcs and transformations		15

	Writing subtext and authentic dialogue Voice, motivation, conflict, and goal Dialogue formatting and pacing	
IV	Adaptation, Collaboration, and Market Awareness Adapting from literature, real life, or news Working with directors, producers, and other creatives Rewriting and feedback process Copyrights, pitching, and selling a script Industry trends: Streaming content, inclusive storytelling, and global audiences	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Syd Field – Screenplay: The Foundations of Screenwriting 2. Robert McKee – Story: Substance, Structure, Style, and the Principles of Screenwriting 3. Christopher Vogler – The Writer’s Journey 4. Blake Snyder – Save the Cat! 5. Linda Aronson – The 21st Century Screenplay 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass communication		
Semester	3		
Name of the Course	Event Management		
Course Code	M24 –MCM-305		
Course Type	DEC-1		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To understand the fundamentals and types of events in media and communication contexts. ● To develop skills in event planning, coordination, and execution. ● To learn budgeting, marketing, and risk management related to events. ● To provide hands-on experience through practical assignments simulating real-world events. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to Event Management Definition, scope, and types of events (corporate, social, cultural, political, sports) Roles and responsibilities of event managers Event lifecycle: Concept, planning, execution, and evaluation Stakeholder management and communication Trends and challenges in event management		14
II	Planning and Designing Events Event conceptualization and theme development Venue selection and logistics planning Budgeting and financial management for events Legal and ethical considerations, permits, and compliance Sponsorship and partnership development		16
III	Marketing, Publicity, and Communication for Events		15

	Event promotion strategies (online and offline) Media relations and press management Social media and digital marketing for events Designing invitations, brochures, and promotional materials Audience engagement and experience management	
IV	Event Execution and Post-Event Activities On-site management: Coordination of vendors, volunteers, and staff Audio-visual and technical requirements Risk management and contingency planning Monitoring and evaluation of event success Post-event reporting, feedback, and documentation	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Shone & Parry – Successful Event Management 2. Goldblatt, Joe – Special Events: Creating and Sustaining a New World for Celebration 3. Bowdin et al. – Events Management 4. Raj, Deepak – Event Planning and Management 5. Bladen et al. – Event Management: An Introduction 		

Session: 2025-26			
Part A – Introduction			
Name of the Programme	MSc Mass communication		
Semester	3		
Name of the Course	Film and Documentary Production		
Course Code	M24- MCM-307		
Course Type	PC-5		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To provide students with practical experience in scripting, shooting, directing, and editing films and documentaries. • To develop skills in visual storytelling, camera operation, sound design, and post-production. • To train students to handle pre-production planning and post-production workflows effectively. • To foster teamwork and creative collaboration in media production environments. 		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B- Contents of the Course			
Instructions for Practical: Each student will develop a portfolio compiling the below given exercises for End term exam, skills for field reporting.			
Practical Assignments			Contact Hours
	<ol style="list-style-type: none"> 1. Exercise on camera handling: framing, shot types, angles, camera movements 2. Capturing visual narratives using DSLR or video cameras 3. Hands-on training with field microphones (boom, lapel, handheld) 4. Practice syncing ambient and dialogue audio with video footage 5. Develop a visual storyboard and shot division for a short scene or documentary sequence 6. Focus on framing, movement, and timing 7. Field research and fact-finding for a short documentary concept 8. Practice conducting and recording interviews for factual storytelling 9. Write two short scripts: one fictional (short film) and one non-fictional (doc outline) 10. Write synopsis, treatment, and basic screenplay or narration script 11. Practical setups using 3-point lighting and natural light 12. Create lighting designs for indoor and outdoor scenes 13. Direct a short 1–2 minute scene focusing on actor movement, blocking, and camera placement 14. Emphasis on director-actor collaboration 15. Edit raw footage using Adobe Premiere Pro or DaVinci Resolve 		120

	16. Practice continuity editing, cuts, transitions, and basic audio mixing and prepare one piece 17. Create a 30–60 second trailer or teaser for a student project 18. Emphasize rhythm, music, title cards, and voice-over integration 19. Complete a 5–7 minute original short film Includes scripting, shooting, editing, and screening with evaluation 20. Complete a 5–7 minute original short documentary. Includes scripting, shooting, editing, and screening with evaluation	
Total Contact Hours		120
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Practicum	30	➤ Practicum 70
● Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical
● Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
1. Herbert Zettl – Television Production Handbook 2. Gerald Millerson & Jim Owens – Television Production 3. Robert Musburger – Single-Camera Video Production 4. Steve Wetzel – Video Production Techniques 5. Andrew Utterback – Studio Television Production and Directing		

Session: 2025-26			
Part A – Introduction			
Name of the Programme	M. Sc. Mass communication		
Semester	3		
Name of the Course	Audio-Video Editing		
Course Code	M24- MCM-308		
Course Type	PC-6		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To provide hands-on training in editing video and audio content using professional tools. • To develop technical skills in post-production workflows including cutting, syncing, transitions, and sound design. • To familiarize students with storytelling through editing in news, documentaries, promos, and short films. • To enhance understanding of audio-video formats, effects, and export settings for multiple platforms. 		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B- Contents of the Course			
Instructions for Practical: Each student will develop a portfolio compiling the below given exercises for End term exam, skills for field reporting.			
Practical Assignments			Contact Hours
	<ol style="list-style-type: none"> 1. Overview of Adobe Premiere Pro, Final Cut Pro, or DaVinci Resolve. Project setup, media import, and basic timeline operations 2. Cutting, trimming, ripple editing, slip and slide edits 3. Rearranging clips, time stretching, and speed control 4. Syncing audio with video 5. Adjusting levels, removing noise, using fades and transitions 6. Adding background music and voiceovers 7. Importing and syncing multiple video angles 8. Cutting between cameras for interviews or events 9. Use of video transitions (cross-dissolve, wipes, dip to black) 10. Application of visual effects, color correction basics 11. Creating and animating titles, end credits, and lower thirds 12. Incorporating motion graphics and branding 13. Use of sound libraries and recording simple Foley effects 		120

	14. Blending natural sounds with music for mood and impact 15. Assembling voiceover, B-roll, interviews into a coherent story 16. Timing, pacing, and narrative structure for 2–3 min videos 17. Export settings for different platforms: broadcast, YouTube, Instagram 18. Formats: MP4, MOV, H.264, ProRes, etc. 19. Complete a 2–5 minute edited project (short film scene, promo, music video, or mini-doc) 20. Emphasis on pacing, continuity, transitions, audio-video sync, and storytelling	
Total Contact Hours		120
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Practicum	30	➤ Practicum 70
●Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical
●Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
●Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
1. Herbert Zettl – Television Production Handbook 2. Gerald Millerson & Jim Owens – Television Production 3. Robert Musburger – Single-Camera Video Production 4. Steve Wetzel – Video Production Techniques 5. Andrew Utterback – Studio Television Production and Directing		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass Communication		
Semester	3		
Name of the Course	Stage Anchoring and Public Speaking (For students of other programmes)		
Course Code	M24 –OEC-326		
Course Type	OEC		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • To enhance students' confidence and competence in stage anchoring and public speaking. • To train students in scripting, voice modulation, stage presence, and handling live events. • To develop audience analysis, engagement techniques, and persuasive speaking skills. • To provide practical exposure through mock events, extempore, and group presentations 		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to Public Speaking and Anchoring Evolution of public speaking and anchoring Types of public speaking (informative, persuasive, political speech , ceremonial, etc.) Differences and similarities: public speaker vs. anchor Role and responsibility of an anchor, need of preparation and knowledge		7
II	Voice, Speech, and Body Language Basics of phonetics and articulation Voice modulation, pitch, pause, and pace Importance of non-verbal cues Stage movement and facial expression		8
III	Structure and Scripting Structuring a speech: Introduction, body, conclusion		7

	Scripting for different events (formal, informal, academic, cultural, etc.) Transitions and cue management Impromptu vs. scripted anchoring	
IV	Audience Analysis and Engagement Understanding audience demographics and psychology Tools for engaging audience (humor, questions, storytelling) Handling stage fear and distractions Use of visual aids and multimedia Anchoring for various events: academic, cultural, corporate, social ,Co-anchoring dynamics	8
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory: 35
●Class Participation:	4	Written Examination
●Seminar/presentation/assignment/quiz/class test etc.:	4	
●Mid-Term Exam:	7	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. The Art of Public Speaking by Stephen E. Lucas 2. Talk Like TED by Carmine Gallo 3. Presentation Zen by Garr Reynolds 4. Public Speaking Handbook by Steven Beebe & Susan Beebe 5. Sample anchor scripts and video case studies (curated by instructor) 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass communication		
Semester	4		
Name of the Course	Advanced Media Research		
Course Code	M24 –MCM-401		
Course Type	CC-9		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To strengthen conceptual and methodological foundations in media research. ● To train students in advanced qualitative and quantitative research techniques. ● To develop skills for designing, conducting, and presenting research projects. ● To enhance analytical skills for interpreting media trends, user behavior, and impact. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Media Research – Concepts and Theories Definition ,Concept Nature and scope of media research Research paradigms: Qualitative and Quantitative , Positivist, interpretivist and mixed approaches Theoretical frameworks: Agenda-setting, framing, cultivation, uses & gratifications,, ethnography Ethics in media research		14
II	Research Designs Research design: Exploratory, descriptive, experimental, longitudinal Research problem formulation and hypothesis building Sampling techniques: Probability and non-probability Validity, reliability, and measurement scales Types of data and Data Collection tools		16
III	Quantitative and Qualitative Methods Survey method, content analysis, experimental design		15

	Case Study and Observation In-depth interviews, focus group discussions Narrative ,discourse analysis, Semiotics and Visual analysis Triangulation and mixed-methods approach New techniques of Research	
IV	Data Analysis and Report Writing Descriptive and inferential statistics: Central Tendency, Standard Deviation , chi-square, T-test , Anova , correlation, regression, Coding and Tabulation Structure and formatting of a research report/thesis Data Visualization (graphs, tables, charts) Use of statistical tools: SPSS, Excel etc. Structure and formatting of a research report/thesis	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
●Class Participation:	5	Written Examination
●Seminar/presentation/assignment/quiz/class test etc.:	10	
●Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Wimmer & Dominick – Mass Media Research: An Introduction 2. Berger, Arthur Asa – Media and Communication Research Methods 3. Jensen, Klaus Bruhn – A Handbook of Media and Communication Research 4. Creswell, John W. – Research Design: Qualitative, Quantitative, and Mixed Methods Approaches 5. Silverman, David – Doing Qualitative Research 6. Dr. Madhu Deep Singh , Media Plurality and Diversity ,2018 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass communication		
Semester	4		
Name of the Course	Political Communication and Strategies		
Course Code	M24 –MCM-402		
Course Type	CC-10		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To explore the role of communication in political processes and electoral strategies. ● To analyze political messaging, media framing, and opinion shaping methods. ● To understand the impact of traditional and digital media on public opinion. ● To develop practical skills in crafting political campaigns and strategic communication. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Foundations of Political Communication Definition, scope, and evolution of political communication The role of media in democracy and political discourse Theories: Agenda-setting, framing, spiral of silence, priming Political language, rhetoric, and symbolism Public opinion and the role of opinion polls		14
II	Political Campaigns and Strategies Components of election campaigns: Messaging, targeting, media planning Political advertising: Techniques and appeals Negative campaigning and attack ads Role of campaign managers, strategists, and political consultants Historical and contemporary case studies (India and global)		16
III	Media, Technology, and Political Influence Television debates, press conferences, and political journalism Social media's role in political mobilization and discourse		15

	Use of bots, trolls, and algorithms in shaping narratives Political memes, misinformation, and fact-checking Citizen journalism and activism in political processes	
IV	Strategic Communication and Governance Government communication strategies and public information campaigns Crisis communication in politics Image building, speechwriting, and political branding Lobbying, advocacy, and interest group communication Ethics in political communication	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Dennis McQuail – Mass Communication Theory 2. Brian McNair – An Introduction to Political Communication 3. Kathleen Hall Jamieson & Karlyn Kohrs Campbell – The Interplay of Influence: News, Advertising, Politics, and the Mass Media 4. Pippa Norris – A Virtuous Circle: Political Communications in Postindustrial Societies 5. David L. Swanson & Paolo Mancini (Eds.) – Politics, Media, and Modern Democracy 6. Dr. Madhu Deep Singh , Media Plurality and Diversity ,2018 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	MSc Mass communication		
Semester	4		
Name of the Course	Film Production		
Course Code	M24 –MCM-403		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To understand the fundamental principles of Cinema. ● To understand the camera techniques and principles of film production ● To understand the lighting techniques and art direction of film production ● To equip students with practical skills in film making process , pre-production and production. ● To foster innovative thinking and editing techniques of films and post production work . 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Fundamentals of Film making Genre Theory and Auteur Theory, Mise-en-scène and Cinematic Language Semiotics of Film and Visual Storytelling, Realism, Formalism, and Expressionism in Film Feminist Film Theory and Postcolonial Perspectives Screenwriting: Idea Development, Logline, Synopsis Structure of a Screenplay: 3-Act Structure, Plot Points, Character Arcs Writing for Fiction vs. Documentary, Script Formatting (Final Draft/Celtx)		14
II	Pre production Role of Director, Assistant Directors, and Creative Heads Visualizing the Script: Storyboarding, Shot Listing Casting: Process, Audition Techniques, Actor-Director Collaboration Location Scouting and Permits, Production Design: Sets, Props, Costume Design Budgeting and Scheduling (call sheets, stripboards) Crew Breakdown: Roles & Responsibilities		16

	Legal Aspects: Rights, Contracts, Releases	
III	<p>Introduction to Film Making - Group Project Camera & Cinematography: Lenses, Framing, Composition, Movement Lighting: Natural, Artificial, Color Temperature, Motivated Lighting Sound: Location Audio, Sync Sound, Foley, Ambience Set Etiquette and Workflow Direction on Set: Blocking, Continuity, Performance Management Production Design and Art Direction Shooting Schedule & Daily Call Sheets Lighting Techniques (natural, artificial, three-point) Audio Recording: Boom, Lavalier, Ambient, Sync Sound Scene Composition and Continuity</p>	15
IV	<p>Post Production Finalizing the writing 5-8 mins film Editing Principles: Continuity, Rhythm, Juxtaposition, Montage Software Proficiency: Adobe Premiere, DaVinci Resolve, Final Cut Color Correction & Grading Basics Sound Editing: Dialogue Cleaning, Music, Effects Ti Titling, Subtitling & Graphics, Final Output: Formats, Codecs, Delivery Festival Circuits, OTT, and Theatrical Distribution Marketing & Promotion Strategies, Legal: Censorship, Copyright, Film Certification (CBFC)</p> <p>Practicals Film Pre-Production Portfolio (final project) Script Analysis & Breakdown Exercise Budgeting & Scheduling Assignment Location Scouting Report Group Pitch Presentation Scene rehearsal and live shoot exercise Cinematography workshop (lighting setups, camera operation) Direct a short scene with real-time feedback Make a short film (5–10 minutes)</p>	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ol style="list-style-type: none"> 1. <i>Film Art: An Introduction</i> by David Bordwell & Kristin Thompson <i>In the Blink of an Eye</i> by Walter Murch 2. <i>The Visual Story</i> by Bruce Block 3. <i>Directing the Film</i> by David Mamet 4. <i>Digital Filmmaking</i> by Mike Figgis 5. <i>Cinematography</i> by Blain Brown 6. Andrew Utterback – Studio Television Production and Directing 7. Producing and Directing the Short Film and Video by David K. Irving & Peter W. Rea 8. The Filmmaker’s Handbook by Steven Ascher & Edward Pincus On Filmmaking by Alexander Mackendrick 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass Communication		
Semester	4		
Name of the Course	Mobile Journalism and Production		
Course Code	M24 –MCM-404		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To equip students with skills to produce professional-quality journalistic content using mobile devices. ● To explore the changing landscape of news production and storytelling in the mobile era. ● To train students in mobile shooting, editing, live reporting, and distribution on digital platforms. ● To develop critical understanding of ethical and technical challenges in mobile journalism. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to Mobile Journalism (MoJo) Evolution and scope of mobile journalism Mobile devices as tools for news gathering and production Comparison of traditional vs mobile journalism workflows Ethics, credibility, and verification in mobile reporting Understanding mobile journalism ecosystems: apps, social media, and platforms		14
II	Mobile Newsgathering Techniques Smartphone video and audio recording basics Using mobile cameras: framing, composition, lighting, and sound Mobile photography and photojournalism principles Interviewing and reporting techniques using mobile devices Live streaming and real-time reporting fundamentals		16

III	Mobile Editing and Production Editing video and audio on mobile devices using apps (KineMaster, Adobe Rush, InShot) Creating news packages and stories on mobile platforms Adding graphics, subtitles, and captions on mobile Mobile-friendly storytelling formats: short videos, reels, stories, podcasts Exporting and optimizing content for social media and news platforms	15
IV	Distribution, Engagement, and Impact Publishing and distributing content via social media, news apps, and websites Audience engagement and analytics for mobile journalism Monetization and career opportunities in MoJo Case studies of successful mobile journalism projects Future trends in mobile media production	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Justin Cutroni – Mobile Journalism Handbook 2. Mark Briggs – Journalism Next: A Practical Guide to Digital Reporting and Publishing 3. Shel Holtz – The Mobile Mind Shift 4. Various online tutorials and app-specific manuals (KineMaster, Adobe Rush, Filmic Pro) 5. Selected case studies from BBC MoJo and other mobile journalism pioneers 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass Communication		
Semester	4		
Name of the Course	Data Visualization and Analytics		
Course Code	M24 –MCM-405		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • Understand the principles of data visualization and its importance in data analysis. • Apply basic and advanced visualization techniques using tools like Python etc. • Analyze datasets using statistical techniques and draw meaningful conclusions. • Design effective visual dashboards and communicate insights clearly. • Evaluate the ethical aspects of data representation and avoid misleading visualizations. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
<p><u>Instructions for Paper- Setter:</u> The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	<p>Unit 1: Introduction to Data Visualization and Analysis Importance of data visualization in decision-making Types of data: qualitative, quantitative, categorical, continuous Overview of data analysis process (cleaning, exploration, modeling, visualization) Principles of good visualization (Tufte’s principles, cognitive aspects) Tools overview: Excel, Python (Matplotlib, Seaborn), R, Tableau</p>		14
II	<p>Unit 2: Visualization Techniques and Tools Chart types: bar, line, scatter, histogram, pie, box plot, heatmap Advanced plots: tree map, violin plot, radar charts, bubble charts</p>		16

	Multivariate visualization Visualizing time series and geospatial data Interactivity and storytelling in Tableau	
III	Unit 3: Data Analysis Fundamentals Data preprocessing: handling missing values, outliers Descriptive statistics and inferential analysis Correlation and regression Hypothesis testing and p-values Data wrangling with Pandas (Python)	15
IV	Unit 4: Dash boarding, Ethics, and Case Studies Building dashboards with KPIs Case studies in healthcare, business, politics, education Common pitfalls and deceptive visualizations Ethical data visualization: bias, privacy, transparency	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
●Class Participation:	5	Written Examination
●Seminar/presentation/assignment/quiz/class test etc.:	10	
●Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
1. "Data Visualization: A Practical Introduction" by Kieran Healy		
2. "Storytelling with Data: A Data Visualization Guide for Business Professionals" by Cole Nussbaumer Knaflic		
3. "The Visual Display of Quantitative Information" by Edward R. Tufte		

Session: 2025-26			
Part A – Introduction			
Name of the Programme	MSc Mass communication		
Semester	4		
Name of the Course	Research Paper Writing and Publication		
Course Code	M24- MCM-407		
Course Type	PC-7		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To train students in the step-by-step process of writing research papers. ● To develop skills for critical literature review, methodology selection, and data presentation. ● To familiarize students with academic publishing standards, ethics, and submission procedures. ● To improve academic writing, referencing, and peer-review understanding. 		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B- Contents of the Course			
Instructions for Practical: Each student will develop a portfolio compiling the below given exercises for End term exam, skills for field reporting.			
Practical Assignments			Contact Hours
<ol style="list-style-type: none"> 1. Selecting a Research Topic and Formulating Research Questions 2. Choose a viable topic in mass communication and draft specific research questions or hypotheses. 3. Conducting a Literature Review 4. Search, collect, and summarize relevant academic papers, books, and articles; prepare a literature review matrix. 5. Preparing a Research Proposal 6. Write a concise research proposal including introduction, objectives, rationale, and methodology. 7. Designing Research Methodology 8. Choose appropriate qualitative, quantitative, or mixed methods; develop research tools (questionnaires/interview guides). 9. Data Collection Simulation 10. Conduct a mini-survey or interviews; document the process and raw data. 			120

11. Data Analysis and Interpretation 12. Analyze collected data using statistical tools or qualitative techniques; summarize findings. 13. Writing the Research Paper: Drafting Sections 14. Practice writing key sections: introduction, methodology, results, discussion, and conclusion. 15. Referencing and Citation Practice 16. Learn citation styles (APA, MLA, Chicago); create a bibliography and in-text citations. 17. Understanding Publication Ethics and Avoiding Plagiarism 18. Study ethical guidelines and use plagiarism detection software to check a sample text. 19. Preparing a Manuscript for Submission 20. Format the paper as per journal guidelines; draft a cover letter and submit to a mock or real journal portal.		
Total Contact Hours		120
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Practicum	30	➤ Practicum 70
● Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical
● Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
Wimmer & Dominick – Mass Media Research: An Introduction Berger, Arthur Asa – Media and Communication Research Methods Jensen, Klaus Bruhn – A Handbook of Media and Communication Research Creswell, John W. – Research Design: Qualitative, Quantitative, and Mixed Methods Approaches Silverman, David – Doing Qualitative Research		

Session: 2025-26	
Part A – Introduction	
Name of the Programme	M.Sc. Mass communication
Semester	4
Name of the Course	E-Content Designing and Production
Course Code	M24- MCM-408
Course Type	PC-8
Level of the course	500-599
Pre-requisite for the course (if any)	-
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To develop practical skills in creating engaging digital content for various platforms. ● To familiarize students with tools and software used in e-content design and production. ● To enable effective storytelling through multimedia content tailored for online consumption. ● To enhance technical proficiency in text, audio,

	video, and interactive content production.		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time	4 hours		
Part B- Contents of the Course			
Instructions for Practical: Each student will develop a portfolio compiling the below given exercises for End term exam, skills for field reporting.			
Practical Assignments			Contact Hours
	<ol style="list-style-type: none"> 1. Introduction to E-Content Tools 2. Explore and practice with popular tools like Canva, Adobe Spark, or Google Slides to create simple digital content. 3. Creating Interactive PDF or E-Books 4. Design a short interactive e-book or brochure with embedded links, images, and multimedia elements. 5. Scriptwriting for E-Learning Content 6. Write a concise script for a 3-minute educational video or tutorial. 7. Audio Recording and Editing 8. Record and edit a voiceover or podcast segment using Audacity or similar software. 9. Basic Video Production for E-Content 10. Shoot and edit a 2–3 minute instructional or promotional video using mobile or DSLR and editing apps like KineMaster or Adobe Premiere Rush. 11. Designing Infographics and Visual Summaries 12. Create an infographic summarizing a complex topic relevant to communication using Canva or Piktochart. 13. Developing Interactive Quizzes and Assessments 14. Use tools like Google Forms or Kahoot! to create an interactive quiz for e-learning content. 15. Building a Multimedia Presentation 16. Prepare a multimedia-rich presentation combining text, audio, video, and animations using PowerPoint or Prezi. 17. Social Media Content Design 18. Design engaging, platform-specific content (posts, stories, reels) optimized for Instagram, Facebook, or Twitter. 19. Final Project: Integrated E-Content Module 20. Produce a comprehensive e-learning module (5–7 minutes) combining script, audio narration, video, infographics, and quizzes. 		120
Total Contact Hours			120
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Practicum	30	➤ Practicum	70

●Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical
●Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
●Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Herbert Zettl – Television Production Handbook 2. Gerald Millerson & Jim Owens – Television Production 3. Robert Musburger – Single-Camera Video Production 4. Steve Wetzel – Video Production Techniques 5. Andrew Utterback – Studio Television Production and Directing 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass communication		
Semester	4		
Name of the Course	Digital Marketing and Entrepreneurship in Media		
Course Code	M24 –MCM-409		
Course Type	EEC		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To develop comprehensive knowledge of digital marketing principles and tools relevant to media. ● To understand entrepreneurship fundamentals and how they apply to media startups and ventures. ● To equip students with practical skills in digital campaign creation, branding, and business planning. ● To foster innovative thinking and strategic planning for media-related entrepreneurial initiatives. 		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Fundamentals of Digital Marketing in Media Introduction to digital marketing and its evolution in media Key channels: SEO, SEM, content marketing, email marketing, social media marketing Consumer behavior and digital audience segmentation Media analytics and performance measurement Case studies of successful digital media marketing campaigns		7
II	Digital Content Strategy and Branding Content creation and storytelling for digital platforms		8

	Building a brand identity and voice in media entrepreneurship Influencer marketing and collaboration models Social media management tools and techniques Paid vs organic reach and campaign optimization	
III	Entrepreneurship in the Media Industry Basics of entrepreneurship and startup ecosystems in media Business models for media ventures: subscription, advertising, freemium, etc. Funding sources: venture capital, angel investors, crowdfunding Legal and ethical considerations in media entrepreneurship Building and managing teams in media startups	7
IV	Strategic Planning and Growth in Digital Media Ventures Digital marketing plan development and budgeting Growth hacking techniques and customer acquisition strategies Monetization strategies for digital media products Crisis management and reputation building Scaling and exit strategies for media entrepreneurs	8
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory: 35
● Class Participation:	4	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	4	
● Mid-Term Exam:	7	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Ryan, Damian – Understanding Digital Marketing 2. Kotler, Philip – Marketing 4.0: Moving from Traditional to Digital 3. Osterwalder, Alexander & Pigneur, Yves – Business Model Generation 4. Eric Ries – The Lean Startup 5. Taneja, Hemant – The Entrepreneurial Journalist 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass communication		
Semester	4		
Name of the Course	Advanced Media Research		
Course Code	M24 –MCM-401		
Course Type	CC-9		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To strengthen conceptual and methodological foundations in media research. ● To train students in advanced qualitative and quantitative research techniques. ● To develop skills for designing, conducting, and presenting research projects. ● To enhance analytical skills for interpreting media trends, user behavior, and impact. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Media Research – Concepts and Theories Definition ,Concept Nature and scope of media research Research paradigms: Qualitative and Quantitative , Positivist, interpretivist and mixed approaches Theoretical frameworks: Agenda-setting, framing, cultivation, uses & gratifications,, ethnography Ethics in media research		14
II	Research Designs Research design: Exploratory, descriptive, experimental, longitudinal Research problem formulation and hypothesis building Sampling techniques: Probability and non-probability Validity, reliability, and measurement scales Types of data and Data Collection tools		16
III	Quantitative and Qualitative Methods		15

	Survey method, content analysis, experimental design Case Study and Observation In-depth interviews, focus group discussions Narrative ,discourse analysis, Semiotics and Visual analysis Triangulation and mixed-methods approach New techniques of Research	
IV	Data Analysis and Report Writing Descriptive and inferential statistics: Central Tendency, Standard Deviation , chi-square, T-test , Anova , correlation, regression, Coding and Tabulation Structure and formatting of a research report/thesis Data Visualization (graphs, tables, charts) Use of statistical tools: SPSS, Excel etc. Structure and formatting of a research report/thesis	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
7. Wimmer & Dominick – Mass Media Research: An Introduction		
8. Berger, Arthur Asa – Media and Communication Research Methods		
9. Jensen, Klaus Bruhn – A Handbook of Media and Communication Research		
10. Creswell, John W. – Research Design: Qualitative, Quantitative, and Mixed Methods Approaches		
11. Silverman, David – Doing Qualitative Research		
12. Dr. Madhu Deep Singh , Media Plurality and Diversity ,2018		

Session: 2025-26			
Part A – Introduction			
Name of Programme	MSc Mass communication		
Semester	4		
Name of the Course	Film Production		
Course Code	M24 –MCM-403		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To understand the fundamental principles of Cinema. ● To understand the camera techniques and principles of film production ● To understand the lighting techniques and art direction of film production ● To equip students with practical skills in film making process , pre-production and production. ● To foster innovative thinking and editing techniques of films and post production work . 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Fundamentals of Film making Genre Theory and Auteur Theory, Mise-en-scène and Cinematic Language Semiotics of Film and Visual Storytelling, Realism, Formalism, and Expressionism in Film Feminist Film Theory and Postcolonial Perspectives Screenwriting: Idea Development, Logline, Synopsis Structure of a Screenplay: 3-Act Structure, Plot Points, Character Arcs Writing for Fiction vs. Documentary, Script Formatting (Final Draft/Celtx)		14
II	Pre production Role of Director, Assistant Directors, and Creative Heads Visualizing the Script: Storyboarding, Shot Listing Casting: Process, Audition Techniques, Actor-Director Collaboration Location Scouting and Permits, Production Design: Sets, Props, Costume Design Budgeting and Scheduling (call sheets, stripboards)		16

	Crew Breakdown: Roles & Responsibilities Legal Aspects: Rights, Contracts, Releases	
III	Introduction to Film Making - Group Project Camera & Cinematography: Lenses, Framing, Composition, Movement Lighting: Natural, Artificial, Color Temperature, Motivated Lighting Sound: Location Audio, Sync Sound, Foley, Ambience Set Etiquette and Workflow Direction on Set: Blocking, Continuity, Performance Management Production Design and Art Direction Shooting Schedule & Daily Call Sheets Lighting Techniques (natural, artificial, three-point) Audio Recording: Boom, Lavalier, Ambient, Sync Sound Scene Composition and Continuity	15
IV	Post Production Finalizing the writing 5-8 mins film Editing Principles: Continuity, Rhythm, Juxtaposition, Montage Software Proficiency: Adobe Premiere, DaVinci Resolve, Final Cut Color Correction & Grading Basics Sound Editing: Dialogue Cleaning, Music, Effects Ti Titling, Subtitling & Graphics, Final Output: Formats, Codecs, Delivery Festival Circuits, OTT, and Theatrical Distribution Marketing & Promotion Strategies, Legal: Censorship, Copyright, Film Certification (CBFC) Practicals Film Pre-Production Portfolio (final project) Script Analysis & Breakdown Exercise Budgeting & Scheduling Assignment Location Scouting Report Group Pitch Presentation Scene rehearsal and live shoot exercise Cinematography workshop (lighting setups, camera operation) Direct a short scene with real-time feedback Make a short film (5–10 minutes)	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
9. <i>Film Art: An Introduction</i> by David Bordwell & Kristin Thompson <i>In the Blink of an Eye</i> by Walter Murch		
10. <i>The Visual Story</i> by Bruce Block		
11. <i>Directing the Film</i> by David Mamet		
12. <i>Digital Filmmaking</i> by Mike Figgis		
13. <i>Cinematography</i> by Blain Brown		
14. Andrew Utterback – Studio Television Production and Directing		
15. Producing and Directing the Short Film and Video by David K. Irving & Peter W. Rea		
16. The Filmmaker’s Handbook by Steven Ascher & Edward Pincus On Filmmaking by Alexander Mackendrick		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass Communication		
Semester	4		
Name of the Course	Mobile Journalism and Production		
Course Code	M24 –MCM-404		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To equip students with skills to produce professional-quality journalistic content using mobile devices. ● To explore the changing landscape of news production and storytelling in the mobile era. ● To train students in mobile shooting, editing, live reporting, and distribution on digital platforms. ● To develop critical understanding of ethical and technical challenges in mobile journalism. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to Mobile Journalism (MoJo) Evolution and scope of mobile journalism Mobile devices as tools for news gathering and production Comparison of traditional vs mobile journalism workflows Ethics, credibility, and verification in mobile reporting Understanding mobile journalism ecosystems: apps, social media, and platforms		14
II	Mobile Newsgathering Techniques Smartphone video and audio recording basics Using mobile cameras: framing, composition, lighting, and sound Mobile photography and photojournalism principles Interviewing and reporting techniques using mobile devices Live streaming and real-time reporting fundamentals		16

III	Mobile Editing and Production Editing video and audio on mobile devices using apps (KineMaster, Adobe Rush, InShot) Creating news packages and stories on mobile platforms Adding graphics, subtitles, and captions on mobile Mobile-friendly storytelling formats: short videos, reels, stories, podcasts Exporting and optimizing content for social media and news platforms	15
IV	Distribution, Engagement, and Impact Publishing and distributing content via social media, news apps, and websites Audience engagement and analytics for mobile journalism Monetization and career opportunities in MoJo Case studies of successful mobile journalism projects Future trends in mobile media production	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
● Class Participation:	5	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	10	
● Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
6. Justin Cutroni – Mobile Journalism Handbook		
7. Mark Briggs – Journalism Next: A Practical Guide to Digital Reporting and Publishing		
8. Shel Holtz – The Mobile Mind Shift		
9. Various online tutorials and app-specific manuals (KineMaster, Adobe Rush, Filmic Pro)		
10. Selected case studies from BBC MoJo and other mobile journalism pioneers		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass Communication		
Semester	4		
Name of the Course	Data Visualization & Analytics		
Course Code	M24 –MCM-405		
Course Type	DEC-2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> • Understand the principles of data visualization and its importance in data analysis. • Apply basic and advanced visualization techniques using tools like Python etc. • Analyze datasets using statistical techniques and draw meaningful conclusions. • Design effective visual dashboards and communicate insights clearly. • Evaluate the ethical aspects of data representation and avoid misleading visualizations. 		
Credits	Theory	Practical	Total
	4	0	4
Teaching Hours per week	4	0	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Max. Marks	100	0	100
Examination Time	3 hours		
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	<p>Unit 1: Introduction to Data Visualization and Analysis Importance of data visualization in decision-making Types of data: qualitative, quantitative, categorical, continuous Overview of data analysis process (cleaning, exploration, modeling, visualization) Principles of good visualization (Tufte’s principles, cognitive aspects) Tools overview: Excel, Python (Matplotlib, Seaborn), R, Tableau</p>		14
II	<p>Unit 2: Visualization Techniques and Tools</p>		16

	Chart types: bar, line, scatter, histogram, pie, box plot, heatmap Advanced plots: tree map, violin plot, radar charts, bubble charts Multivariate visualization Visualizing time series and geospatial data Interactivity and storytelling in Tableau	
III	Unit 3: Data Analysis Fundamentals Data preprocessing: handling missing values, outliers Descriptive statistics and inferential analysis Correlation and regression Hypothesis testing and p-values Data wrangling with Pandas (Python)	15
IV	Unit 4: Dash boarding, Ethics, and Case Studies Building dashboards with KPIs Case studies in healthcare, business, politics, education Common pitfalls and deceptive visualizations Ethical data visualization: bias, privacy, transparency	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
●Class Participation:	5	Written Examination
●Seminar/presentation/assignment/quiz/class test etc.:	10	
●Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. "Data Visualization: A Practical Introduction" by Kieran Healy 2. "Storytelling with Data: A Data Visualization Guide for Business Professionals" by Cole Nussbaumer Knaflic 3. "The Visual Display of Quantitative Information" by Edward R. Tufte 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass communication		
Semester	4		
Name of the Course	Digital Marketing and Entrepreneurship in Media		
Course Code	M24 –MCM-409		
Course Type	EEC		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To develop comprehensive knowledge of digital marketing principles and tools relevant to media. ● To understand entrepreneurship fundamentals and how they apply to media startups and ventures. ● To equip students with practical skills in digital campaign creation, branding, and business planning. ● To foster innovative thinking and strategic planning for media-related entrepreneurial initiatives. 		
Credits	Theory	Practical	Total
	2	0	2
Teaching Hours per week	2	0	2
Internal Assessment Marks	15	0	15
End Term Exam Marks	35	0	35
Max. Marks	50	0	50
Examination Time	3 hours		
Part B- Contents of the Course			
<p>Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Fundamentals of Digital Marketing in Media Introduction to digital marketing and its evolution in media Key channels: SEO, SEM, content marketing, email marketing, social media marketing Consumer behavior and digital audience segmentation Media analytics and performance measurement Case studies of successful digital media marketing campaigns		7
II	Digital Content Strategy and Branding		8

	Content creation and storytelling for digital platforms Building a brand identity and voice in media entrepreneurship Influencer marketing and collaboration models Social media management tools and techniques Paid vs organic reach and campaign optimization	
III	Entrepreneurship in the Media Industry Basics of entrepreneurship and startup ecosystems in media Business models for media ventures: subscription, advertising, freemium, etc. Funding sources: venture capital, angel investors, crowdfunding Legal and ethical considerations in media entrepreneurship Building and managing teams in media startups	7
IV	Strategic Planning and Growth in Digital Media Ventures Digital marketing plan development and budgeting Growth hacking techniques and customer acquisition strategies Monetization strategies for digital media products Crisis management and reputation building Scaling and exit strategies for media entrepreneurs	8
Total Contact Hours		30
Suggested Evaluation Methods		
Internal Assessment: 15		End Term Examination: 35
➤ Theory	15	➤ Theory: 35
● Class Participation:	4	Written Examination
● Seminar/presentation/assignment/quiz/class test etc.:	4	
● Mid-Term Exam:	7	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ol style="list-style-type: none"> 1. Ryan, Damian – Understanding Digital Marketing 2. Kotler, Philip – Marketing 4.0: Moving from Traditional to Digital 3. Osterwalder, Alexander & Pigneur, Yves – Business Model Generation 4. Eric Ries – The Lean Startup 5. Taneja, Hemant – The Entrepreneurial Journalist 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.Sc. Mass communication		
Semester	4		
Name of the Course	Dissertation/Project Work		
Course Code	M24 –MCM-410		
Course Type	Dissertation/Project Work		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<ul style="list-style-type: none"> ● To understand the fundamental of media research ● To understand the research methodology and research design ● To understand data analysis and data coding ● To understand the research thesis / report/ dissertation writing ● To understand the use of computer software 		
Credits	Theory	Practical	Total
	0	12	12
Teaching Hours per week	0	0	0
Report	0	0	0
Viva-Voce	0	0	0
Max. Marks	0	300	300
Part B- Contents of the Course			
Research Project and Guidelines			Contact Hours
<p>Research Project and Guidelines</p> <ul style="list-style-type: none"> ● Identify Research Problem ● Write a synopsis ● Do review of Literature ● Frame Research questions and Hypothesis ● Frame objectives ● Design Methodology ● Prepare data collection tool ● Collect Data ● Draw conclusions ● Write thesis / Dissertation ● Every student has to publish and write a research paper alongwith dissertation. <p>Evaluation of the thesis will be on the basis of Quality of Above Research. Supervisor will be allotted to each student of research honors Viva vice will be conducted in front of a three member committee constituted</p>			

by the Institute. Submissions related to research Prepare a Questionnaire Prepare a code book Prepare Google form Prepare charts and tables Write review of literature Data coding with SPSS software			
Suggested Evaluation Methods			
Internal Assessment		End Term Examination : 300	
	➤ ` Practicum	0	➤ Practicum
	Report	0	100
	Viva-Voce	0	200
	Max. Marks	0	300

B.Tech. Electronics and Communications Engineering (ECE)
KURUKSHETRA UNIVERSITY, KURUKSHETRA
Modified scheme of exams w.e.f. session 2025-26
SEMESTER-III

S. No.	Course No./ Code	Subject	L:T:P	Hours/ Week	Credits	Examination Schedule (Marks)				Duration of exam (Hours)
						End Semester Exam	Internal assessment	Practical Exam	Total	
1	B23-ESC 221	Integral Transforms & Numerical Techniques	3:1:0	4	4	70	30	--	100	3
2	B23-ECE 201	Electronic Devices	3:0:0	3	3	70	30	--	100	3
3	B23-ECE 203	Digital Electronics	3:0:0	3	3	70	30	--	100	3
4	B23-ECE 205	Signals and Systems	3:0:0	3	3	70	30	--	100	3
5	B23-ECE 207	Network Theory	3:0:0	3	3	70	30	--	100	3
6	B23-ECE 209	Analog Communication	2:1:0	3	3	70	30	--	100	3
7	B23-ECE 211	Electronic Devices Lab	0:0:3	3	1.5	--	40	60	100	3
8	B23-ECE 213	Digital Electronics Lab	0:0:3	3	1.5	--	40	60	100	3
9	B23-ECE 215	Signals and Systems Lab	0:0:2	2	1	--	40	60	100	3
10	B23- MAC-201	Environmental Studies	3:0:0	3	1	70	30	--	100	3
TOTAL				30	24	490	330	180	1000	

NCC/NSS/Sports/Yoga/Technical or cultural club/society activities may also be joined by students in second year and will be evaluated in 7th semester by the institute based upon continuous evaluation model as per guidelines.

B23-ESC-221		INTEGRAL TRANSFORMS & NUMERICAL TECHNIQUES					
L	T	P	Credit	End Semester Exam	Internal Assessment	Total	Time
3	1	-	4	70	30	100	3 h
Purpose	To familiarize the prospective students with Laplace Transform to solve the differential equations and uses of numerical techniques to find out the approximate solutions.						
Course Outcomes							
CO1	Introduction about the concept of Laplace transform and how it is useful in solving the definite integrals and initial value problems.						
CO 2	To introduce the tools of numerical methods for the solutions of system of linear equations.						
CO 3	How polynomial and transcendental equations can be solved for approximated solution whose exact solution otherwise cannot be evaluated.						
CO4	To familiar with essential tool of Numerical Integration needed to approximate solutions for the ordinary differential equations.						
<p>UNIT-I (12 Hrs) Laplace Transform: Introduction, Laplace Transform of Elementary Functions, Basic properties of Laplace Transform, Laplace transform of periodic functions, finding inverse Laplace transform by different methods, Convolution theorem, solving ordinary differential equations by Laplace Transform method.</p>							
<p>UNIT-II (07 Hrs) Solution of system of Linear equations using Gauss Elimination and Gauss Seidel methods, row echelon form, LU factorization, Cholesky method.</p>							
<p>UNIT-III (11 hrs) Solution of polynomial and transcendental equations: Newton-Raphson method and Regula Falsi method, Interpolation using Newton's forward and backward difference formulae. Interpolation with unequal intervals: Newton's divided difference and Lagrange's formulae.</p>							
<p>UNIT-IV (10 hrs) Numerical integration: Trapezoidal rule and Simpson's 1/3rd and 3/8 rules, Ordinary differential equations: Euler and modified Euler's methods. Runge-Kutta method of fourth order for solving first and second order equations, predictor-corrector method.</p>							
<p>Suggested Books:</p> <ol style="list-style-type: none"> 1. S. D. Conte and Carl de Boor, Elementary Numerical Analysis- An Algorithmic Approach (3rd Edition), McGraw-Hill, 1980. 2. C. E. Froberg, Introduction to Numerical Analysis (2nd Edition), Addison-Wesley, 1981. 3. E. Kreyszig, Advanced engineering mathematics (8th Edition), John Wiley (1999). 4. Reena Garg, Advanced Engineering Mathematics, Khanna Book Publishing (2022). 5. K. E. Atkinson, An Introduction to Numerical Analysis (2nd edition), Wiley-India, 1989 6. R. Agor, Elements of Mathematical Analysis, Khanna Publishing House, 2015. 7. Ramana B.V., Higher Engineering Mathematics, Tata McGraw Hill New Delhi, 11th Reprint, 2010. 8. B.S. Grewal, Higher Engineering Mathematics, Khanna Publishers, 36th Edition, 2010. 9. Veerarajan T., Engineering Mathematics (for semester III), Tata McGraw-Hill, New Delhi, 2010. 							
<p>Note: The paper setter will set the paper as per the question paper templates provided.</p>							

KURUKSHETRA UNIVERSITY

KURUKSHETRA

(Established by the State Legislature Act-XII of 1956)

(‘A⁺⁺’ Grade, NAAC Accredited)



Revised Scheme of Examination for Under-Graduate Programme

Subject: Botany
(1st to 8th Semesters)

**With Multiple Entry-Exit, Internship and CBCS-LOCF in
accordance to NEP-2020 w.e.f. 2025-26 (in phased manner)**

PLOs for Life Sciences

PLOs	UG Certificate in Life Sciences
After the completion of UG certificate in Life Sciences, the student should be able to:	
PLO_1: Knowledge and Understanding	<ul style="list-style-type: none"> · Demonstrate the knowledge of basic principles, concepts, facts and broad linkage of chosen subjects of Life sciences.
PLO_2: Skills And creativity	<ul style="list-style-type: none"> · Selecting and using relevant methods, tools, and materials to assess the appropriateness of approaches for solving problems associated with the chosen subjects of Life sciences.
PLO_3: Application of knowledge and Skills	<ul style="list-style-type: none"> · Apply the acquired operational or theoretical knowledge, and a range of practical skills to select and use basic methods, tools, materials, and information to generate solutions to specific problems relating to the chosen subjects of Life sciences.
PLO_4: Critical thinking	<ul style="list-style-type: none"> · Listen carefully, read texts, make judgments and make decisions based on analysis of data and evidence.
PLO_5: Ethics	<ul style="list-style-type: none"> · Put forward convincing arguments to respond to the ethical and moral issues associated with the chosen subjects, practice ethical and moral values in one's life.
PLO_6: Communication	<ul style="list-style-type: none"> · Express scientific thoughts and ideas effectively in writing and orally and communicate on scientific activities with others using appropriate media.
PLO_7: Lifelong Learning	<ul style="list-style-type: none"> · Acquire knowledge and skills including learning 'How to learn' that are necessary for participating in learning activities throughout life.
PLO_8: Environmental Awareness	<ul style="list-style-type: none"> · Demonstrate knowledge of effects of environmental degradation, climate change and pollution, effective waste management.
PLO_9: Digital Literacy	<ul style="list-style-type: none"> · To use ICT in a variety of learning and work situations.

PLOs	UG Diploma in Life Sciences
After the completion of UG Diploma in Life Sciences, the student should be able to:	
PLO_1: Knowledge and Understanding	<ul style="list-style-type: none"> · Demonstrate the deeper knowledge and understanding of principles, concepts, facts and broad linkage of chosen subjects of Life sciences.
PLO_2: Skills And creativity	<ul style="list-style-type: none"> · Selecting and using relevant methods, tools, and materials to assess the appropriateness of approaches from a range of sources for solving complex problems associated with the chosen subjects of Life sciences.
PLO_3: Application of knowledge and Skills	<ul style="list-style-type: none"> · Apply the acquired operational or theoretical knowledge, and a range of practical skills to select and use appropriate methods, tools, materials, and information to generate solutions to specific problems relating to the chosen subjects of Life sciences.
PLO_4: Critical thinking	<ul style="list-style-type: none"> · Listen carefully, read texts, make judgments and make decisions based on analysis of data and evidence, present complex information in a clear, scientific and concise manner.
PLO_5: Ethics	<ul style="list-style-type: none"> · Formulate arguments in support of actions to address the ethical and moral issues associated with the chosen subjects, practice ethical and moral values in one's life.

PLO_6: Communication	<ul style="list-style-type: none"> Express scientific thoughts and ideas effectively in writing and orally and communicate on scientific activities with others using appropriate media.
PLO_7:Lifelong Learning	<ul style="list-style-type: none"> Acquire knowledge and skills including learning ‘How to learn’ that are necessary for participating in learning activities throughout life.
PLO_8: Environmental Awareness	<ul style="list-style-type: none"> Apply knowledge, skills and attitude to mitigate the effects of environmental degradation, climate change and pollution, and effective waste management.
PLO_9:Digital Literacy	<ul style="list-style-type: none"> To use ICT in a variety of learning and work situations.

PLOs	Bachelor Degree in Life Sciences
After the completion of Bachelor degree in Life Sciences, the student should be able to:	
PLO_1: Knowledge and Understanding	<ul style="list-style-type: none"> Demonstrate the comprehensive and specialized knowledge and deep understanding of principles, concepts, and facts about current and emerging issues relevant to chosen subjects of Life sciences.
PLO_2: Skills And creativity	<ul style="list-style-type: none"> Selecting and using relevant methods, tools, and materials to assess the appropriateness of approaches for solving specific problems associated with the chosen subjects of Life sciences.
PLO_3: Application of knowledge and Skills	<ul style="list-style-type: none"> Apply the acquired operational or theoretical knowledge, and a range of practical skills to analyze quantitative and qualitative data to assess the different approaches to generate solutions to specific problems related to the chosen subjects of Life sciences.
PLO_4: Critical thinking	<ul style="list-style-type: none"> Listen carefully, read texts, make judgments and make decisions based on analysis of data and evidence, present complex information in a clear, scientific and concise manner.
PLO_5: Ethics	<ul style="list-style-type: none"> Follow ethical practices in all aspects of research and development, including avoiding unethical practices such as fabrication, falsification or misrepresentation of data or committing plagiarism.
PLO_6: Communication	<ul style="list-style-type: none"> Able to communicate effectively on complex scientific activities with the scientific community and with society at large, such as, being able to comprehend and write effective scientific reports and design documentation, make effective presentations.
PLO_7:Lifelong Learning	<ul style="list-style-type: none"> Acquire knowledge and skills including learning ‘How to learn’ that are necessary for participating in learning activities throughout life.
PLO_8: Environmental Awareness	<ul style="list-style-type: none"> Apply knowledge, skills and attitude to mitigate the effects of environmental degradation, climate change and pollution, effective waste management.
PLO_9:Digital Literacy	<ul style="list-style-type: none"> To use ICT in a variety of learning and work situations, appropriate software to analyze the data.
PLO_10:Research Aptitude	<ul style="list-style-type: none"> Ask relevant/appropriate questions, identifying, formulating and analyzing the research problems and to draw conclusions from the analysis.

DEPARTMENT OF BOTANY, KURUKSHETRA UNIVERSITY, KURUKSHETRA
Revised Scheme of Examination for Under-Graduate Programme
Under Multiple Entry-Exit, Internship and CBCS-LOCF in accordance to NEP-2020 w.e.f. 2025-26
(in phased manner)
Subject: Botany

SEMESTER-1									
Remarks	Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration
Scheme A & C	CC-1 MCC-1 4 credits	B23-BOT-101	Diversity of Microbes, Algae, Fungi And Archegoniates	3	3	20	50	70	3hrs.
			Practical	1	2	10	20	30	4hrs.
Scheme C only	MCC-2 4 credits	B23-BOT-102	Conservation Biology	3	3	20	50	70	3hrs.
			Practical	1	2	10	20	30	4hrs.
Scheme A	CC-M1 2 credits	B23-BOT-103	Plant Diversity	1	1	10	20	30	3hrs.
			Practical	1	2	5	15	20	4hrs.
Scheme A&C	MDC- 1 3 credits	B23-BOT-104	Fundamentals of Botany	2	2	15	35	50	3hrs.
			Practical	1	2	5	20	25	4hrs.
Scheme C only	CC-M1 4 credits	From Available CC-M1 of 4credits as per NEP							
Scheme A&C	AEC-1 2 credits	From Available AEC-1 of two credits as per NEP							
	SEC-1 3 credits	From Available SEC-1of three credits as per NEP							
	VAC-1 2 credits	From Available VAC-1of two credits as per NEP							

SEMESTER-2									
Remarks	Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration
Scheme A&C	CC-2	B23-BOT-201	Plant Taxonomy and Ecology	3	3	20	50	70	3 hrs.
	MCC-3		Practical	1	2	10	20	30	4 hrs.
Scheme C only	DSEC-1	B23-BOT-202	Plant Propagation	3	3	20	50	70	3 hrs.
	4 credits		Practical	1	2	10	20	30	4 hrs.
Scheme Aonly	CC-M2	B23-BOT-203	Angiosperm Diversity & Reproduction	1	1	10	20	30	3 hrs.
	2 credits		Practical	1	2	5	15	20	4 hrs.
Scheme A&C	MDC-2	B23-BOT-204	Seed Plants and Economic Botany	2	2	15	35	50	3 hrs.
	3 credits		Practical	1	2	5	20	25	4 hrs.
Scheme C only	CC-M2 4 credits	From Available CC-M2 of 4 credits as per NEP							
Scheme A&C	AEC-2 2 credits	From Available AEC-2 of two credits as per NEP							
	SEC-2 3 credits	From Available SEC-2 of three credits as per NEP							
	VAC-2 2 credits	From Available VAC-2 of two credits as per NEP							
Internship of 4 credits of 4-6 weeks duration after 2 nd Semester									

SEMESTER-3									
Remarks	Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration
Scheme A, B & C	CC-3	B23-BOT-301	Plant Physiology	3	3	20	50	70	3 hrs.
	MCC-4 4 credits		Practical	1	2	10	20	30	4 hrs.
Scheme B & C	MCC-5 4 credits	B23-BOT-302	Plant Stress Physiology	3	3	20	50	70	3 hrs.
			Practical	1	2	10	20	30	4 hrs.
Scheme A, B & C	MDC-3 3 credits	B23-BOT-303	Ornamental plants and their propagation	2	2	15	35	50	3 hrs.
			Practical	1	2	5	20	25	4 hrs.
Scheme A only	CC-M3 4 credits	B25-BOT-304	Plant Physiology and Ecology	3	3	20	50	70	3 hrs.
			Practical	1	2	10	20	30	4 hrs.
Scheme B only	CC-M3(V) 4 credits	From Available CC-M3(V) of 4 credits as per NEP							
Scheme A, B & C	AEC-3 2 credits	From Available AEC-3 of two credits as per NEP							
	SEC-3 3 credits	From Available SEC-3 of three credits as per NEP							
Scheme C only	VAC-3 2 credits	From Available VAC-3 of two credits as per NEP							
Scheme B only	MCC-3	MCC-2 FROM SCHEME COFFIRST SEMESTER							

SEMESTER-4									
Remarks	Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration
Scheme A, B & C	CC-4	B23-BOT-401	Cytology and Genetics	3	3	20	50	70	3 hrs.
	MCC-6 4 credits		Practical	1	2	10	20	30	4 hrs.
Scheme B & C	MCC-7	B23-BOT-402	Plant Molecular Biology	3	3	20	50	70	3 hrs.
	4 credits		Practical	1	2	10	20	30	4 hrs.
Scheme B & C	MCC-8	B23-BOT-403	Plant Breeding	3	3	20	50	70	3 hrs.
	4 credits		Practical	1	2	10	20	30	4 hrs.
Scheme B & C	DSE-1 4 credits	B23-BOT-404	Plant Tissue Culture	3	3	20	50	70	3 hrs.
			Practical	1	2	10	20	30	4 hrs.
	Select one option	B23-BOT-405	Bioethics, Biosafety and IPR	3	3	20	50	70	3 hrs.
			Practical	1	2	10	20	30	4 hrs.
Scheme A, B & C	CC-M4(V) 4 credits	From Available CC-M4(V) of 4 credits as per NEP							
	AEC-4 2 credits	From Available AEC-3 of two credits as per NEP							
Scheme C only	VAC-4 2 credits	From Available VAC-4 of two credits as per NEP							
Scheme A & B	VAC-3 2 credits	From Available VAC-3 of two credits as per NEP							
Internship of 4 credits of 4-6 weeks duration after 4 th Semester (if not done after second semester)									

SEMESTER-5									
Remarks	Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration
Scheme A, B & C	CC-5 MCC-9 4 credits	B23-BOT-501	Economic Botany and Plant Biotechnology	3	3	20	50	70	3 hrs.
			Practical	1	2	10	20	30	4 hrs.
Scheme B & C	MCC-10 4 credits	B23-BOT-502	Reproduction in Higher Plants	3	3	20	50	70	3 hrs.
			Practical	1	2	10	20	30	4 hrs.
Scheme B & C	DSE-2 4 credits Select One Option	B23-BOT-503	Plant Biochemistry and Metabolism	3	3	20	50	70	3 hrs.
			Practical	1	2	10	20	30	4 hrs.
		B23- BOT-504	Modern Plant Systematics	3	3	20	50	70	3 hrs.
			Practical	1	2	10	20	30	4 hrs.
Scheme B & C	DSE-3 4 credits Select One Option	B23- BOT-505	Natural Plant Products	3	3	20	50	70	3 hrs.
			Practical	1	2	10	20	30	4 hrs.
		B23-BOT-506	Plants and Medicines	3	3	20	50	70	3 hrs.
			Practical	1	2	10	20	30	4 hrs.
Scheme A & C	CC-M5(V) 4 credits	From Available CC-M5(V) of 4 credits as per NEP							
Scheme A, B & C	Internship 4 credits	Internship 4 credit after 4 th semester							

SEMESTER-6										
Remarks	Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration	
Scheme A, B & C	CC-6 MCC-11 4 credits	B23-BOT-601	Plant Anatomy & Embryology	3	3	20	50	70	3 hrs.	
			Practical	1	2	10	20	30	4 hrs.	
Scheme B & C	MCC-12 4 credits	B23- BOT-602	Plant Pathology	3	3	20	50	70	3 hrs.	
			Practical	1	2	10	20	30	4 hrs.	
Scheme B & C	DSE-4 4 credits	B23- BOT-603	Agroforestry	3	3	20	50	70	3 hrs.	
			Practical	1	2	10	20	30	4 hrs.	
	Select one Option	B23-BOT-604	Post-harvest Technology of Fruits & Vegetables	3	3	20	50	70	3 hrs.	
			Practical	1	2	10	20	30	4 hrs.	
Scheme B & C	DSE-5 4 credits Select one Option	B23- BOT-605	GIS and Remote Sensing	3	3	20	50	70	3 hrs.	
			B23- BOT-606	Evolutionary and Behavioural Biology	3	3	20	50	70	3 hrs.
				Practical	1	2	10	20	30	4 hrs.
Scheme A only	CC-M6 4 credits	B25- BOT-607	Biotechnology and Applied Botany	3	3	20	50	70	3 hrs.	
			Practical	1	2	10	20	30	4 hrs.	
Scheme A only	CC-M7(V) 4 credits	From Available CC-M7(V) of 4 credits as per NEP								
Scheme B only	CC-M5(V) 4 credits	From Available CC-M5(V) of 4 credits as per NEP								
Scheme C only	CC-M6(V) 4 credits	From Available CC-M6(V) of 4 credits as per NEP								
Scheme C only	SEC-4 2 credits	From Available SEC-4 of two credits as per NEP								

SEMESTER-7 (FOR HONOURS / HONOURS WITH RESEARCH IN BOTANY)									
Remarks	Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration
Honours in Botany/ Honours with Research in Botany (For Scheme B & C)	CC-H1 4 credits	B23- BOT-701	Algae &Fungi	4	4	30	70	100	3hrs.
	CC-H2 4 credits	B23-BOT-702	Bryophytes & Pteridophytes	4	4	30	70	100	3hrs.
	CC-H3 4 credits	B23- BOT-703	Cytogenetics & Plant Breeding	4	4	30	70	100	3hrs.
	DSE-H1 4 credits Select one Option	B23- BOT-704	MOOC Course	4	4	30	70	100	3hrs.
		B23- BOT-705	Basics of Genomics and Proteomics	4	4	30	70	100	3hrs.
		B23- BOT-706	Computational Botany	4	4	30	70	100	3hrs.
	PC-H1 4 credits	B23- BOT-707	Practical Based on B23-BOT-701 TO704/705/706	4	8	30	70	100	6hrs.
	CC-HM1 4 credits	From Available Minor of 4 credits as per NEP							

SEMESTER-8 (FOR HONOURS IN BOTANY)									
Remarks	Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration
Honours In Botany (For Scheme B & C)	CC-H4 4 credits	B23-BOT-801	Microbiology and Biostatistics	4	4	30	70	100	3hrs.
	CC-H5 4 credits	B23-BOT-802	Natural Resources & Biodiversity	4	4	30	70	100	3hrs.
	CC-H6 4 credits	B23-BOT-803	Gymnosperm & Ethnobotany	4	4	30	70	100	3hrs.
	DSE-H2 4 credits Select one option	B23-BOT-804	Molecular Genetics	4	4	30	70	100	3hrs.
		B23-BOT-805	Plant Morphogenesis	4	4	30	70	100	3hrs.
	PC-H2 4 credits	B23-BOT-806	Practical Based on B23-BOT-801 TO804/805	4	8	30	70	100	6hrs.
	CC-HM2 4 credits	From Available Minor of 4 credits as per NEP							

OR

SEMESTER-8 (FOR HONOURS WITH RESEARCH IN BOTANY)									
Remarks	Course	Paper(s)	Nomenclature of Paper	Credits	Hours/Week	Internal marks	External Marks	Total Marks	Exam Duration
Honours with Research in Botany (For Scheme B & C)	CC-H4 4 credits	B23-BOT-801	Microbiology and Biostatistics	4	4	30	70	100	3hrs.
	CC-H5 4 credits	B23-BOT-802	Natural Resources & Biodiversity	4	4	30	70	100	3hrs.
	Project/ Dissertation 12 credits	B23-BOT-807	Project/ Dissertation	8+4	-	-	-	-	-
	CC-HM2 4 credits	From Available Minor of 4 credits as per NEP							

Session: 2025-26			
Part A – Introduction			
Subject	BOTANY		
Semester	4th		
Name of the Course	Basics of Medicinal Plants		
Course Code	B23-VAC-408		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	VAC-4		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	<p>After studying this course, the students will be able to understand:</p> <ol style="list-style-type: none"> 1. History and importance of medicinal plants at national and international level. 2. Different systems of medicine and methods to extract active compounds as well as preparation of herbal remedies. 3. Students will gain knowledge about important medicinal plants and their parts used for herbal therapy. 4. Students will get acquainted with state and national level boards to manage conservation and sustainable use of medicinal plants. 5. * Students will understand and get acquainted with practical aspects of collection, storage of medicinal plants, preparation of herbal remedies by different methods, grading and post-harvest handling of medicinal plants, essential oil extraction and microscopic evaluation of drug adulteration. 		
	Theory	Practical	Total
Credits	2	0	2
Contact Hours	2	0	2
THEORY			
Max. Marks: 50		Time: 3 Hours	
Internal Assessment Marks: 15			
End Term Exam Marks: 35			
Part B-Contents of the Course			
Instructions for Paper- Setter			
<p>1. Nine questions will be set in all. All questions will carry equal marks.</p> <p>2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.</p>			
Unit	Topics	Contact Hours	
I	Introduction to Medicinal Plants & Traditional Wisdom What are medicinal plants? Their role in Ayurveda Importance of preserving Indian traditional knowledge Role of Household herbal practices across Indian subcontinent in primary healthcare.	7	
II	Traditional system of medicine in India, Concept and principles of	7	

	Ayurveda, Siddha, Unani and Homeopathy. Methods of extraction of active compounds: polar and non-polar extraction; extraction of essential oils; Types of her bal remedies: maceration, infusion, decoction, tinctures, compress, bathing, pills and ointments.	
III	Some important medicinal plants of India and their uses: <i>Aloe vera</i> , <i>Ocimum sanctum</i> , <i>Menthaspicata</i> , <i>Swertiachirata</i> , <i>Azadirachtaindica</i> , <i>Justiciaadhatoda</i> , <i>Terminalia arjuna</i> , <i>T. chebula</i> , <i>Withaniasomnifera</i> , <i>Asparagus racemosus</i> , <i>Tinosporacordifolia</i> , <i>Acacia nilotica</i> ,	8
IV	National Medicinal Plant Board and State Medicinal Plant Boards-objectives and functions. Role of Sacred groves in medicinal plants conservation. Role of documentation of community knowledge in future drug development. Famous herbal markets of India.	8
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory		End Term Examination
<ul style="list-style-type: none"> ● Class Participation : 04 ● Seminar/presentation/assignment/quiz/class test etc. : 04 ● Mid-Term Exam : 07 		Theory : 35
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> ● Kochhar, S. L. (2016). Economic Botany in the Tropics (4thed.). Macmillan Publishers India. ● Council of Scientific and Industrial Research (CSIR). (1986). Useful Plants of India. CSIR. ● Jain, S. K. (1995). Manual of Ethnobotany (2nded.). Scientific Publishers. ● Kirtikar, K.R. & Basu, B.D. (1934). Indian Medicinal Plants. Lalit Mohan Basu, Allahabad ● Khare, C.P. (2007). Indian Medicinal Plants: An Illustrated Dictionary. Springer Verlag Berlin. ● Arya Vaidya Sala (2005). Indian Medicinal Plants: A Compendium of 500 Species, Orient Longman, Hyderabad ● Kala, C.P. (2010). Medicinal Plants of Uttarakhand. Biotech. Books, India. ● Bhattacharjee, K. (2009). Handbook of Medicinal and Aromatic Plants. Pointer Publisher. ● Panda, H.(2013). Handbook of Ayurvedic Medicines. National Institute of Industrial Research, Delhi 7 ● Chaturvedi, A.(2008). Ethnobotany and Taxonomy of Angiosperms. Rashtrasant Tukadoji Maharaj Nagpur University Press. ● Dutt, A.(2009). An Introduction to Medicinal Plants, 1st Edition. Adhyayan Publishers, and distributors. 		

Session: 2025-26			
Part A – Introduction			
Subject	BOTANY		
Semester	3rd		
Name of the Course	Biofertilizers		
Course Code	B23-SEC-307		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	SEC-3		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the concept, importance, and advantages of biofertilizers in natural farming. 2. Identify different types of biofertilizers and explain their specific functions in crop production. 3. Apply biofertilizers through appropriate techniques such as seed treatment, soil treatment, and root dipping. 4. Evaluate the role of biofertilizers in sustainable agriculture and recognize government support and success cases. 5. Demonstrate practical skills in handling, applying, and promoting biofertilizers through farm visits, observations, and presentations. 		
	Theory	Practical	Total
Credits	2	1	3
Contact Hours	2	2	4
THEORY			
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks: 35	Time: 3 Hours		
PRACTICAL			
Max. Marks: 25 Internal Assessment Marks: 5 End Term Exam Marks: 20	Time: 4 Hours		
Part B-Contents of the Course			
Instructions for Paper- Setter			
1. Nine questions will be set in all. All questions will carry equal marks. 2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.			
Unit	Topics		Contact Hours
I	Definition and concept of biofertilizers, difference between chemical fertilizers and biofertilizers, importance of biofertilizers in natural farming, advantages of biofertilizers including eco-friendly nature, low cost, and improvement of soil health.		7
II	Types of biofertilizers and their functions including Rhizobium for legumes, Azotobacter and Azospirillum for cereals and vegetables, Blue-Green Algae (BGA) and Azolla for rice fields, Phosphate Solubilizing Bacteria (PSB), and Mycorrhiza for root symbiosis.		7

III	Application techniques of biofertilizers including seed treatment, soil treatment, and root dipping, storage and shelf-life of biofertilizers, precautions for handling and application, and compatibility with organic manure and compost.	8
IV	Role of biofertilizers in sustainable agriculture, contribution to organic farming, improvement of crop yield and soil fertility naturally, government support and schemes for promoting biofertilizers, and success stories or case studies of farmers using biofertilizers.	8
V	<ul style="list-style-type: none"> • Identification of different types of biofertilizers • Demonstration of seed treatment and soil application • Preparation of a basic compost mix with biofertilizer • Visit to an organic farm or KrishiVigyan Kendra (KVK) • Observation of vegetative growth difference with and without biofertilizers. • Prepare a simple chart/poster showing use of biofertilizers in crops 	30

Suggested Evaluation Methods

<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation : 04 • Seminar/presentation/assignment/quiz/class test etc. : 04 • Mid-Term Exam : 07 <p>➤ Practical</p> <ul style="list-style-type: none"> • Class Participation : NA • Seminar/Demonstration/Viva-voce/Lab records etc. : 05 • Mid-Term Exam : NA 	<p>End Term Examination</p> <p>Theory : 35 Practical : 20</p>
---	--

Part C-Learning Resources

<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> • SubbaRao, N. S. (2018). Soil Microbiology and Sustainable Crop Production. CRC Press. • Gaur, A. C. (2008). Biofertilizers in Sustainable Agriculture. Indian Council of Agricultural Research. • Sharma, A. K. (2002). Biofertilizers for Sustainable Agriculture. Agrobios. • Bhattacharyya, P. & Chakraborty, G. (2019). Organic Farming in India: Problems and Prospects. New India Publishing Agency. • Palaniappan, S. P., & Annadurai, K. (1999). Organic Farming: Theory and Practice. Scientific Publishers. • Singh, R. P. (2016). Biofertilizers and Biopesticides. Scientific Publishers. • Kumar, A., & Rai, R. K. (2019). Biofertilizers and their Applications. New India Publishing Agency. • Kannaiyan, S., Kumar, K., & Govindarajan, K. (2016). Biofertilizers Technology. Scientific Publishers.
--

Session: 2025-26			
Part A – Introduction			
Subject	BOTANY		
Semester	3rd Or 5th		
Name of the Course	Organic Farming		
Course Code	B23-VOC-109		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	VOC-1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the basics of organic farming and its winter relevance. 2. Select and grow suitable winter vegetables organically. 3. Prepare and use organic fertilizers and pest control solutions. 4. Manage irrigation, soil health, and crop care efficiently. 5. Harvest, market, and maintain records for a small winter vegetable business. 		
	Theory	Practical	Total
Credits	2	2	4
Contact Hours	2	4	6
THEORY			
Max. Marks: 50		Time: 3 Hours	
Internal Assessment Marks: 15			
End Term Exam Marks: 35			
PRACTICAL			
Max. Marks: 50		Time: 4 Hours	
Internal Assessment Marks: 15			
End Term Exam Marks: 35			
Part B-Contents of the Course			
Instructions for Paper- Setter			
1. Nine questions will be set in all. All questions will carry equal marks.			
2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.			
Unit	Topics	Contact Hours	
I	Introduction to Organic Farming and Its Importance Benefits of organic over chemical farming Basic principles of organic farming (Health, Ecology, Fairness, Care) Importance of growing organic vegetables in winter Market demand and consumer trends Introduction to popular winter vegetables: spinach, radish, carrot, cabbage, peas, beetroot, etc.	7	
II	Choosing suitable vegetables based on climate, soil, and demand Seed selection: indigenous and certified seeds Nursery techniques and transplanting methods Crop rotation and companion planting for vegetables Farm layout: raised beds, furrows, and spacing Seasonal calendar for winter vegetable sowing	7	

III	Preparation and use of organic fertilizers: Vermicompost, Farmyard manure, Jeevamrit, Beejamrit, Panchgavya, Green manure Bio-pesticides: neem oil, garlic-ginger spray, dashparni ark Soil structure, drainage, and mulching for vegetables Composting kitchen and garden waste Preventing and controlling pests/diseases in leafy and root vegetables Safe, low-cost remedies for common winter vegetable issues	8
IV	Irrigation techniques: drip, alternate row watering. Monitoring crop health and timely intercultural operations Harvesting schedule for different vegetables Post-harvest handling: sorting, grading, storing Local marketing: vegetable carts, farmer markets, direct home delivery Introduction to organic certification & FSSAI basics for small businesses Creating a mini organic kitchen garden business model	8
V*	Practical and Field Work <ul style="list-style-type: none"> • Preparing vegetable beds and compost pits • Sowing/transplanting spinach, methi, radish, and peas • Preparing and applying Jeevamrit/organic sprays Monitoring growth, applying mulch, and weeding • Harvesting leafy and root vegetables • Post-harvest cleaning, bundling, and simple packing • Visit to local organic farms or home garden models • Interacting with a local organic vegetable grower • Cost calculation and record-keeping for a small winter vegetable plot Students' practical report submission and presentation. 	60

Suggested Evaluation Methods

<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation : 04 • Seminar/presentation/assignment/quiz/class test etc. : 04 • Mid-Term Exam : 07 <p>➤ Practical</p> <ul style="list-style-type: none"> • Class Participation : 05 • Seminar/Demonstration/Viva-voce/Lab records etc. : 10 • Mid-Term Exam : NA 	<p>End Term Examination</p> <p>Theory : 35 Practical : 35</p>
---	--

Part C-Learning Resources

<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> • Palaniappan, S. P., & Annadurai, K. (1999). <i>Organic Farming: Theory and Practice</i>. Scientific Publishers. • Narayan, S. (2005). <i>Organic Farming for Sustainable Agriculture</i>. Agrobios. • Lal, R., & Stewart, B. A. (2012). <i>Soil Water and Agronomic Productivity</i>. CRC Press. • Bose, T. K., & Som, M. G. (2021). <i>Vegetable Crops</i>. Naya Udyog. • Yawalkar, K. S. (2004). <i>Vegetable Crops in India</i> (4thed.). Agrobios. • Reddy, S. R. (2016). <i>Principles of Crop Production</i>. Kalyani Publishers. • Singh, S. P. (2017). <i>Production Technology of Vegetables and Flowers</i> (3rded.). CBS Publishers. • Gaur, A. C. (2008). <i>Biofertilizers in Sustainable Agriculture</i>. Indian Council of Agricultural Research. • Bhattacharyya, P., & Chakraborty, G. (2019). <i>Organic Farming in India: Problems and Prospects</i>. New India Publishing Agency. • Sharma, A. K. (2002). <i>Biofertilizers for Sustainable Agriculture</i>. Agrobios.
--

- SubbaRao, N. S. (2018). *Soil Microbiology and Sustainable Crop Production*. CRC Press.
- Michael, A. M. (2009). *Irrigation Theory and Practice*. Vikas Publishing.
- Rangaswamy, R., & Mahajan, P. K. (2017). *Marketing of Agricultural Produce*. Kalyani Publishers.
- Tripathi, L., & Kumawat, S. (2020). *Post-harvest Management of Horticultural Crops*. New India Publishing Agency.
- Dhaliwal, M. S. (2021). *Handbook of Vegetables*. Kalyani Publishers

Session: 2025-26			
Part A – Introduction			
Subject	BOTANY		
Semester	4th		
Name of the Course	Floriculture		
Course Code	B23-VOC-209		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	VOC-2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Prepare soil mixtures for potted plants, hanging baskets, and field cultivation. 2. Identify and cultivate various flowering, succulent, cacti, and water plants. 3. Apply propagation techniques like cutting, layering, budding, and grafting. 4. Perform post-harvest handling, marketing, and value addition in floriculture. 5. Create floral arrangements, terrariums, and dry flower art through practical skills. 		
	Theory	Practical	Total
Credits	2	2	4
Contact Hours	2	4	6
THEORY			
Max. Marks: 50		Time: 3 Hours	
Internal Assessment Marks: 15			
End Term Exam Marks: 35			
PRACTICAL			
Max. Marks: 50		Time: 4 Hours	
Internal Assessment Marks: 15			
End Term Exam Marks: 35			
Part B-Contents of the Course			
Instructions for Paper- Setter			
1. Nine questions will be set in all. All questions will carry equal marks.			
2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.			

Unit	Topics	Contact Hours
I	Floriculture: An Introduction. History of Gardening in India. Importance and scope of Floriculture in India. Various components of Floriculture Industry in India Routine Garden operations. Sexual and vegetative methods of plant propagation; Role of plant growth regulators in floriculture. Preparation of soil mixtures for growing plants in pots, hanging basket, indoor plants.	7
II	Ornamental Plants: Flowering annuals; Herbaceous perennials; Climbers; Shrubs and ornamental trees; Ornamental bulbous and foliage plants; Cacti and succulents; Palms and Cycads; Ferns and Selaginellas; Indoor gardening; Aquatic Plants.	7
III	Principles of Garden Designs: English, Italian, Persian and Japanese gardens; Features of a garden (garden wall, fencing, steps, hedge, edging, lawn, flower beds, shrubbery, borders, water garden. Some famous gardens of India. Modern trends in Floriculture- terrarium, hanging baskets, kokedama, air plants.	8
IV	Commercial floriculture: Factors affecting flower production; Production and packaging of cut flowers; Methods to prolong vase life. Cultivation of Important cut flowers-Carnation, Chrysanthemum, Gerbera, Gladiolous and Lilium).Diseases and Pests of Ornamental Plants.	8
V*	Practical and Field Work <ul style="list-style-type: none"> Investigating the effect of different flower preservatives on the vase life of common ornamental flowers. Settingup a laboratory scale hydroponics setup. Study of different diseases in ornamental plants. Preparation of soil mixtures for plants. Study of propagation techniques of plants. Study of terrarium making. Study of floral arrangements (Bouquet formation). Study of dry flowers art. 	60

Suggested Evaluation Methods

Internal Assessment: >Theory <ul style="list-style-type: none"> Class Participation : 04 Seminar/presentation/assignment/quiz/class test etc. : 04 Mid-Term Exam : 07 >Practical <ul style="list-style-type: none"> Class Participation : 05 Seminar/Demonstration/Viva-voce/Lab records etc. : 10 Mid-Term Exam : NA 	End Term Examination Theory : 35 Practical : 35
---	--

Part C-Learning Resources

Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> Prasad, S. & Kumar, U. (2010). A Handbook of Floriculture. Agrobios (India). Ravinath. D. (2007). Floriculture: A Viable Business. Excel Books. Arora, J.S. (2007). Introductory Ornamental Horticulture, 8th Edition. Kalyani Publications. Council of Scientific and Industrial Research (CSIR). (1986). Useful Plants of India. Publications & Information Directorate, CSIR. Paliwal, H. K.(2009). Ornamental Gardening. National Book Trust India, New Delhi. Singh, A.K. & Kumar A. (2023). Plant Propagation and Nursery management. S.K. Kataria and sons. Sabina, G.T. & Peter, K.V. (2008). Ornamental Plants for Gardens. New India Publ. Agency. Reddy, S., Janakiram, B., Balaji, T., Kulkarni, S. & Misra, R.L. (2007). Hightech Floriculture. Indian Society of Ornamental Horticulture, New Delhi. Bhattacharjee, S.K. (2006). Advances in Ornamental Horticulture. Vols. I-VI. Pointer Publ. Prasad, S. & Kumar, U. (2003). Commercial Floriculture. Agrobios. Singh, B., Singh, N. & Kumar, K. (2015). Common Garden Plants. Unique Publications Panipat. Kashyap, B., Thakur, A.K. & Bassi, S.K. (2019). Floriculture. S. Dinesh and Co. Jalandhar.

Session: 2025-26**Part A – Introduction**

Subject	BOTANY
Semester	1st
Name of the Course	Plant Diversity
Course Code	B23-BOT-103
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M1
Level of the course (As per Annexure-I)	100-199
Pre-requisite for the course (if any)	
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: 1: The general characteristics of microorganisms, algae and fungi will be understandable to students. 2: Students will acquire a conceptual knowledge of plant cell and tissue system 3: Students will acquire a conceptual grasp of bryophytes and pteridophytes. 4: Students will acquire knowledge about the fundamental features of gymnosperms. 5*: Student will gain the knowledge about the practical aspects related to identification, structure, economic values of microorganisms, algae, fungi, bryophytes, pteridophytes gymnosperms, and angiosperms.

Credits	Theory	Practical	Total
	1	1	2
Contact Hours	1	2	3

THEORY

Max. Marks: 30
Internal Assessment Marks:10
End Term Exam Marks: 20

Time: 3 Hours**PRACTICAL**

Max. Marks: 20
Internal Assessment Marks: 05
End Term Exam Marks: 15

Time: 4 Hours**Part B-Contents of the Course****Instructions for Paper-Setter**

- Nine questions will be set in all. All questions will carry equal marks.
- Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.

Unit	Topics	Contact Hours
I	Diversity at Cellular level: Prokaryotic and Eukaryotic Cell; Plant cell structure and brief idea about plant tissues	4
II	Morphological features and economic importance of viruses, bacteria and fungi	4
III	Morphological features and economic importance of algae, bryophytes and pteridophytes.	4
IV	Morphological features and economic importance Gymnosperms.	3

V*	<ul style="list-style-type: none"> • Identification of some common Algae and Fungi. • Morphological study of Marchantia and Funaria. • Morphological study of Seleginella and Pteris • Morphological study of Cycas and Pinus. 	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> > Theory <ul style="list-style-type: none"> • Class Participation: 04 • Seminar/presentation/assignment/quiz/class test etc.: NA • Mid-Term Exam: 06 > Practicum <ul style="list-style-type: none"> • Class Participation: NA • Seminar/Demonstration/Viva-voce/Lab records etc.: 05 • Mid-Term Exam: NA 		End Term Examination: Theory : 20 Practical : 15
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> • Wiley, J.M., Sherwood, L.M. & Woolverton, C.J.(2019). Prescott's Microbiology.11th Edition. McGraw Hill International. • Lee, R.E. (2018). Phycology.5thEdition. Cambridge University Press. • Ahluwalia, A.S. (2020).Phycology: Principles, Processes and Applications. Daya Publishing House, New Delhi. • Mehrotra, R.S. & Aggarwal, A.(2013).Fundamentals of Plant Pathology, Tata McGraw-Hill Publishing company Ltd, New Delhi • Sethi, I.K. & Walia, S.K. (2011). Textbook of Fungi & Their Allies, MacMillan Publishers Pvt. Ltd., Delhi. • Raven, P.H., Johnson, G.B., Losos, J.B., Singer, S.R. (2005). Biology. Tata McGraw Hill, Delhi, India. • Sharma, O.P. (2017).Text Book of Pteridophyta, McMillan India Ltd. • Thakur, A.K. and Bassi, S.K. (2008). Diversity of Microbes and Cryptogams. S. Chand Publishing. • Vashishta, P.C., Sinha, A.K., Kumar, A., (2010). Pteridophyta .S. Chand Publishing. • Vashishta, P.C., Sinha, A.K., Kumar, A., (2010).Gymnosperms. S. Chand Publishing. 		

Session: 2025-26**Part A - Introduction**

Subject	BOTANY		
Semester	2nd		
Name of the Course	Angiosperm Diversity and Reproduction		
Course Code	B23-BOT-203		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand morphological variations in angiosperms. 2. Students will gain knowledge about taxonomy, including the rules of nomenclature and other essential aspects. 3. Students will acquire an understanding of angiosperm families and diversity within them. 4. Understand modes of vegetative and sexual reproduction in plants. 5. Describe pollination, fertilization, and reproductive structures in flowering plants. 		
	Theory	Practical	Total
Credits	1	1	2
Contact Hours	1	2	3

THEORY

Max. Marks: 30	Time: 3 Hours
Internal Assessment Marks: 10	
End Term Exam Marks: 20	

PRACTICAL

Max. Marks: 20	Time: 4 Hours
Internal Assessment Marks: 5	
End Term Exam Marks: 15	

Part B-Contents of the Course**Instructions for Paper- Setter**

1. Nine questions will be set in all. All questions will carry equal marks.
2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.

Unit	Topics	Contact Hours
I	Morphology of angiosperms: Types of root stem and leaves and their modifications in brief. Flower and its parts alongwith their significance.	4
II	Major principles of Botanical Nomenclature. Brief idea about herbaria, botanical gardens, floras, monographs and journals. Definitions of Artificial, natural and phylogenetic classification. Brief idea about APG IV classification.	4
III	Diagnostic features and economic importance of the following families: Malvaceae, Leguminosae, Lamiaceae, Solanaceae, Asteraceae and Poaceae.	3
IV	Vegetative propagation in angiosperms. Sexual reproduction in Angiosperms-structure of Anther and Ovary Brief idea about Pollination and fertilization. General structure of a dicot and monocot seed	4
V*	<ul style="list-style-type: none"> • Study of Modifications of Leaves. Stem and Root (5 each) • Study of methods of vegetative propagation through layering, grafting, cutting bulbils etc. 	30

	<ul style="list-style-type: none"> • Study of vegetative and floral characters of the one or two member of each family theory syllabus (Description, V.S. flower, section of ovary, floral diagram/s, floral formula/e). • Excursion Report: Report on excursion tours with photographs, collection, preservation and preparation of herbarium sheets and specimens related to Angiosperms. Mounting of a collected, properly dried and pressed specimen of minimum 10 wild plants with herbarium label. 	
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <p>➤Theory</p> <ul style="list-style-type: none"> • Class Participation : 04 • Seminar/presentation/assignment/quiz/class test etc. : NA • Mid-Term Exam : 6 <p>➤Practical</p> <ul style="list-style-type: none"> • Class Participation : NA • Seminar/Demonstration/Viva-voce/Lab records etc. : 5 • Mid-Term Exam : NA 	<p>End Term Examination</p> <p>Theory : 20 Practical : 15</p>	
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> • Singh, G.(2021).Plant Systematics: An Integrated Approach, CRC Press. • Sharma, O.P.(2017).Plant Taxonomy, McGraw Hill Publication • Gangulee, Das and Datta (2011).College Botany Volume 2,New Central Book Agency • Singh, Pande & Jain (2005) .A Textbook of Botany: Reproduction, Development and Ecology, Rastogi Publication. • Dirr, M.A. & Heuser, Jr. C.W. (2006).The Reference Manual of Woody Plant Propagation From Seed to Tissue Culture. Timber Press, Inc. Portland, OR. 2nd edition. • Simpson, G.M. (2005).Plant Systematics. Academic Press. • Pandey, A.K. (2022). Reproductive Biology of Angiosperms. CRC Press. 		

Session: 2025-26			
Part A – Introduction			
Subject	BOTANY		
Semester	1st		
Name of the Course	Fundamentals of Botany		
Course Code	B23-BOT-104		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	MDC-1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Explain cell structure, type of cells and functions of cell organelles. 2. Explain cell division and type of tissues. 3. Students will gain a foundational understanding of the biology of micro organisms, algae and fungi. 4. Students will develop a conceptual understanding of bryophytes and pteridophytes. <p>5*.Students will be able to learn the practical aspects of microorganisms, algae, fungi and students will be able to identify the major groups of plants and compare the characteristics in between different groups.</p>		
	Theory	Practical	Total
Credits	2	1	3
Contact Hours	2	2	4
THEORY			
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks: 35	Time: 3 Hours		
PRACTICAL			
Max. Marks: 25 Internal Assessment Marks: 05 End Term Exam Marks: 20	Time: 4 Hours		
Part B-Contents of the Course			
Instructions for Paper- Setter			
<ol style="list-style-type: none"> 1. Nine questions will be set in all. All questions will carry equal marks. 2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit. 			
Unit	Topics		Contact Hours
I	Basics of Cell Biology: Prokaryotic vs. eukaryotic cells; Plant and Animal Cell Cell organelles and their functions in brief.		7
II	Cell division: brief idea about Mitosis. Brief idea about plant tissues.		7
III	General characteristics in brief and economic importance of viruses, bacteria algae and fungi		8
IV	General characteristics and economic importance of Bryophytes and Pteridophytes		8

V*	<ul style="list-style-type: none"> • Difference between animal and plant cell with the help of photographs/ charts. • Study of Mitosis from prepared slides/charts/ photographs • Cynobacteria & Algae: Study of slides of <i>Nostoc</i> and <i>Volvox</i> through permanent slides. • <i>Agaricus</i>: Specimens of button stage and full Grown mushrooms. • <i>Marchantia</i> & <i>Funaria</i>- morphology of thallus through permanent slides. • <i>Selaginella</i> & <i>Pteris</i>–morphology of plants through specimen study. • Excursion Report: Report on excursion tours with photographs, collection, preservation and preparation of herbarium sheets and specimens related to Bryophytes and Pteridophytes. Mounting of a collected, properly dried and pressed specimen (Wet or Dry) of minimum 10 Bryophytes and Pteridophytes 	30
Suggested Evaluation Methods		
Internal Assessment: > Theory <ul style="list-style-type: none"> • Class Participation : 04 • Seminar/presentation/assignment/quiz/class test etc. : 04 • Mid-Term Exam : 07 > Practical <ul style="list-style-type: none"> • Class Participation : - • Seminar/Demonstration/Viva-voce/Lab records etc. : 05 • Mid-Term Exam : NA 	End Term Examination Theory : 35 Practical : 20	
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> • Pandey, B.P. (2007). Botany for Degree Students: First Year. S.Chand Publishing. • Dutta, A.C.(1998). Botany for Degree Students. Oxford Univ. Press. • Pandey S.N., Mishra S, P.& Trivedi P.S.(2015). A Text Book of Botany (Vol.-I), Vikas Publishing, New Delhi • Singh, Pandey and Jain (2019). A Text book of Botany, 5th Edition. Rastogi Publication. • Raven, P.H., Johnson, G.B., Losos, J.B., Singer, S.R. (2005). Biology. Tata McGraw Hill, Delhi, India. • Thakur, A.K. and Bassi, S.K. (2008). Diversity of Microbes and Cryptogams. S. Chand Publishing. • Gupta, P.K. (2003). Cell and Molecular Biology. Rastogi Publications. • Tayal, M.S.(2004). Plant Anatomy. Rastogi Publication. 		

Session: 2025-26			
Part A - Introduction			
Subject	BOTANY		
Semester	2nd		
Name of the Course	Seed Plants and Economic Botany		
Course Code	B23-BOT-204		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	MDC-2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	After completing this course: <ol style="list-style-type: none"> 1. Students will acquire knowledge about the fundamental characteristics of gymnosperms and their importance. 2. Students will acquire a basic understanding of angiosperm morphology. 3. Students will develop a conceptual understanding of important plants that yield food vegetables and oil. 3. Students will acquire knowledge about the cultivation techniques of essential plants. 4. Students will be able identify and acquire knowledge about important medicinal plants and spices. 		
	Theory	Practical	Total
Credits	2	1	3
Contact Hours	2	2	4
THEORY			
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks: 35	Time: 3 Hours		
PRACTICAL			
Max. Marks: 25 Internal Assessment Marks: 05 End Term Exam Marks: 20	Time: 4 Hours		
Part B-Contents of the Course			
Instructions for Paper- Setter			
1. Nine questions will be set in all. All questions will carry equal marks. 2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.			
Unit	Topics		Contact Hours
I	General characteristics of Gymnosperms and economic importance Gymnosperms. General Characters of Angiosperms.		7
II	Brief idea about following - monocot and dicot plants. Herbs, Shrubs, Climbers and Trees. Annul, biennial and perennial plants.		7
III	Morphology and economic importance of Food plants – Rice and Wheat; Pulses - Gram and Pea; Vegetables- Potato and Tomato; Oils: Mustard.		8
IV	Morphology and economic importance of the following: Spices: Turmeric, Coriander, Ginger and Cumin, Medicinal Plants: Neem, Aloe vera, Ocimum and Giloy.		8
V*	<ul style="list-style-type: none"> • <i>Cycas</i> & <i>Pinus</i>–morphology through specimen or live plant study. • Study of vegetative and floral characters of the one or two members of following families- Solanaceae, Malvaceae, Lamiaceae, Leguminosae, Gingiberaceae and 		30

	<p>Poaceae</p> <ul style="list-style-type: none"> • Study of Economically important plants: Wheat, Rice, Gram, Pea, Ginger, Coriander, Mustard, Neem, Aloe and ocimum • Collection and preparation of reports on various crops and economically important plants being cultivated/wildly available in your area. Collect and paste pictures or dried samples of 10 common food plants, medicinal plants and spices. 	
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation : 04 • Seminar/presentation/assignment/quiz/class test etc. : 04 • Mid-Term Exam : 07 <p>➤ Practical</p> <ul style="list-style-type: none"> • Class Participation : NA • Seminar/Demonstration/Viva-voce/Lab records etc. : 5 • Mid-Term Exam : NA 	<p>End Term Examination</p> <p>Theory : 35 Practical : 20</p>	
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> • Vashishta, P.C., Sinha, A.K., Kumar, A., (2010). Gymnosperms, S. Chand. Delhi, India • Pandey, B. P. (2004). Economic Botany (7thed.). S. Chand & Company. • Kochhar, S. L. (2016). Economic Botany in the tropics (4thed.). Macmillan Publishers India. • Sambamurty, A. V. S. S. (2005). Textbook of Economic Botany. New Age International. • Council of Scientific and Industrial Research (CSIR). (1986). Useful plants of India. Publications & Information Directorate, CSIR. • Jain, S. K. (1995). Manual of Ethnobotany (2nd ed.). Scientific Publishers. • Vasishta, B. R. (2003). Botany for Degree Students: Economic Botany. S. Chand & Company. • Singh, V., Pande, P.C., Jain, D.K. (2018). Economic Botany. Rastogi Publications. • Rajan, S. Sundar. (2007). College Botany Vol V, Part1: Taxonomy and Economic Botany Himalaya Publishing House. • Singh, G. (2021). Plant Systematics: An Integrated Approach, CRC Press. • Sharma, O.P. (2017). Plant Taxonomy, Mc Graw Hill Publication. 		

Session: 2025-26			
Part A - Introduction			
Subject	BOTANY		
Semester	3rd		
Name of the Course	Ornamental plants and their propagation		
Course Code	B23-BOT-303		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	MDC-3		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Recognize major food-producing plants and categorize them into cereals, fruits, vegetables, and spices. 2. Identify plants used in clothing, medicine, and other household purposes. 3. Explain how economically important plants contribute to industries and agriculture. 4. Demonstrate awareness of basic plant care and eco-friendly conservation practices. 5. Create simple visuals and collections to reflect the use of plants in everyday life. 		
	Theory	Practical	Total
Credits	2	1	3
Contact Hours	2	2	4
THEORY			
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks: 35	Time: 3 Hours		
PRACTICAL			
Max. Marks: 25 Internal Assessment Marks: 05 End Term Exam Marks: 20	Time: 4 Hours		
Part B-Contents of the Course			
Instructions for Paper- Setter			
1. Nine questions will be set in all. All questions will carry equal marks.			
2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.			
Unit	Topics		Contact Hours
I	History of gardens in India; Popular gardens of India; Types of gardens: Formal and Informal gardens; Styles of gardens: Italian gardens, English gardens and Japanese gardens. Terrace gardening		7
II	Important shrubs, trees, palms, ferns, cycads, climbers, indoor plants, aquatic plants as ornamentals (5 plants to be studied in each category).		7
III	Protected cultivation of ornamentals; Scope of floriculture in India. How to grow plants from seeds, cuttings, bulbs, bulbils and leaves.		8
IV	Vegetative propagation- techniques of cutting, budding, grafting and layering; Artificial pollination for fruit/seed/hybrid seed production (Cucurbits and Adenium).		8
V*	<ul style="list-style-type: none"> • Tools, implements and containers used in ornamental gardening. • Preparation of nursery beds – flat, raised and sunken beds • Identification and brief description of various trees and shrubs 		30

	<p>grown in gardens as ornamental (10 shrubs and 10 trees)</p> <ul style="list-style-type: none"> • Identification and brief description of various summer and winter herbaceous annual ornamental plants (10 summer and 15 winter annuals). • To study propagation by separation and division technique. • To study propagation by cuttings, layering, grafting and budding • Raising nursery of one summer and one winter annual in seedling trays (Kochia, Zinnia, Marigold Salvia etc.) 	
--	---	--

Suggested Evaluation Methods

<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> • Class Participation : 04 • Seminar/presentation/assignment/quiz/class test etc. : 04 • Mid-Term Exam : 07 <p>➤ Practical</p> <ul style="list-style-type: none"> • Class Participation : NA • Seminar/Demonstration/Viva-voce/Lab records etc. : 5 • Mid-Term Exam : NA 	<p>End Term Examination</p> <p>Theory : 35 Practical : 20</p>
--	--

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- Council of Scientific and Industrial Research (CSIR). (1986). Useful Plants of India. Publications & Information Directorate, CSIR.
- Paliwal, H. K.(2009). Ornamental Gardening. National Book Trust India, New Delhi.
- Singh, A.K. & Kumar A. (2023). Plant Propagation and Nursery Management. S.K. Kataria and sons.
- Arora, J.S. (2016). Introductory Ornamental Horticulture, 8th Edition. Kalyani Publishers.
- Sabina, G.T. & Peter KV. (2008). Ornamental Plants for Gardens. New India Publ. Agency.
- Reddy. S, Janakiram, B., Balaji, T., Kulkarni, S. & Misra, R.L. (2007). Hightech Floriculture. Indian Society of Ornamental Horticulture, New Delhi.
- Bhattacharjee, S.K. (2006). Advances in Ornamental Horticulture. Vols. I-VI. Pointer Publ.
- Prasad, S. & Kumar, U. (2003). Commercial Floriculture. Agrobios
- Singh, B., Singh, N. & Kumar, K. (2015).Common Garden Plants. Unique Publications Panipat.
- Kashyap, B., Thakur, A.K. & Bassi, S.K. (2019). Floriculture. S. Dinesh and Co. Jalandhar
- Kashyap, B., Thakur, A.K. & Bassi, S.K. (2020). Gardening and Floriculture. S. Dinesh and Co. Jalandhar

Session: 2025-26**Part A - Introduction**

Subject	BOTANY		
Semester	3rd		
Name of the Course	Plant Physiology and Ecology		
Course Code	B25-BOT-304		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M3		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand how plants absorb and transport water, minerals, and nutrients. 2. Learn the basic process of photosynthesis and respiration in plants. 3. Know how plants grow and how hormones regulate their development. 4. Grasp the fundamentals of heredity, genes, and genetic interactions. 5. Perform simple experiments to visualize plant functions and inheritance. 		
	Theory	Practical	Total
Credits	3	1	4
Contact Hours	3	2	5

THEORY

Max. Marks: 70 Internal Assessment Marks: 20 End Term Exam Marks: 50	Time: 3 Hours
---	----------------------

PRACTICAL

Max. Marks: 30 Internal Assessment Marks: 10 End Term Exam Marks: 20	Time: 4 Hours
---	----------------------

Part B-Contents of the Course

Instructions for Paper- Setter		
1. Nine questions will be set in all. All questions will carry equal marks.		
2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.		

Unit	Topics	Contact Hours
I	Plant water relations: diffusion, osmosis, active and passive transport of water. Water potential and transpiration; Translocation of solutes. Role of micro and macro nutrients.	11
II	Photosynthesis and Respiration: Photosynthetic pigments and their role. Steps of photosynthesis (light and dark reactions).C4 and CAM cycle Respiration, Photorespiration.	11
III	Plant Growth and Plant Growth Regulators: Phases of plant growth. Overview of Growth regulators: Auxin, gibberellins, cytokinins, ABA, ethylene. Seed dormancy and germination. Photoperiodism and Vernalization	11
IV	Ecology: Scope and importance; levels of organization. Environmental factors and their impact on plants- climatic factors, edaphic factors, topographic; and Biotic factors. Brief idea about Population and community Ecology. Ecological succession in Brief. Phyto-geography: Phyto-geographical regions of India; vegetation types of India (forests).	12

V*	<ul style="list-style-type: none"> • Demonstration of imbibitions by plaster of Paris method. • To separate photosynthetic pigments by thin layer/paper chromatography. • To demonstrate suction due to transpiration. • To determine the osmotic pressure of the cell sap of Rheo leaf epidermal peeling by plasmolytic method. • To determine the rate of photosynthesis by using Wilmott's bubbler. • To estimate the chlorophyll content of given sample • Determination of pH, and analysis of two soil samples for carbonates, chlorides and sulphates by rapid field test. • Determination of minimal quadrat size for the study of herbaceous vegetation in the college campus or nearby fields by species area curve method (species to be listed). • Quantitative analysis of herbaceous vegetation in the college campus or nearby fields for frequency and comparison with Raunkiaer's frequency distribution law. 	30
Suggested Evaluation Methods		
Internal Assessment: >Theory <ul style="list-style-type: none"> • Class Participation : 05 • Seminar/presentation/assignment/quiz/class test etc. : 05 • Mid-Term Exam : 10 >Practical <ul style="list-style-type: none"> • Class Participation : NA • Seminar/Demonstration/Viva-voce/Lab records etc. : 10 • Mid-Term Exam : NA 	End Term Examination Theory : 50 Practical : 20	
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> • Verma, S.K. & Verma, M.(2008). Plant Physiology, Biochemistry and Biotechnology. S. Chand, Publishing. • Pandey, B.P. (2007). Botany for Degree Students: First Year. S. Chand Publishing. • Pandey, S.N & Sinha, B. K.(2018).Plant Physiology .Vikas Publishing House Pvt. Ltd. 4th edition • Jain,V.K.(2017).Fundamentals of Plant Physiology, 20th Edition. S. Chand publishing. • Gupta, N.K., Bala, M., Sangha, M.K., & Gupta, S. (2016).Practical in Plant Physiology and Biochemistry. Scientific Publishers, India • Taiz,L., Zeiger, E., Moller, I.M. & Murphy, A.(2015).Plant Physiology and Development. Sinauer Associates Inc. USA. 6th edition. • Salisbury, F.B. & Ross, C.W. (2002).Plant Physiology, 7th edition. Wordsworth Publishing Co. Belmont CA. • Smith, T.M. & Smith, R.L. (2014). Elements of Ecology, 9th edition. Pearson. • Chapman, J.L. & Reiss, M.J. (1999). Ecology: Principles and Applications. Cambridge Press. 		

Session: 2025-26**Part A - Introduction**

Subject	BOTANY		
Semester	6th		
Name of the Course	Biotechnology and Applied Botany		
Course Code	B25-BOT-607		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M6		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand basic concepts and tools of biotechnology and their applications. 2. Learn how plants are grown in controlled lab conditions and their benefits. 3. Identify various useful plants and their economic and traditional significance. 4. Gain knowledge of eco-friendly farming techniques and sustainable practices. 5. Develop observational, presentation, and model-making skills through hands-on activities. 		
	Theory	Practical	Total
Credits	3	1	4
Contact Hours	3	2	5

THEORY**Max. Marks: 70****Internal Assessment Marks: 20****End Term Exam Marks: 50****Time: 3 Hours****PRACTICAL****Max. Marks: 30****Internal Assessment Marks: 10****End Term Exam Marks: 20****Time: 4 Hours****Part B-Contents of the Course****Instructions for Paper- Setter**

1. Nine questions will be set in all. All questions will carry equal marks.

2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.

Unit	Topics	Contact Hours
I	Introduction to biotechnology Tools used: plasmids, enzymes, PCR, electrophoresis DNA fingerprinting – concept and importance	4
II	Laboratory Conditions required for growing plant cells Concept of callus and liquid culture Process of growing new plants through organogenesis Applications in plant conservation and crop improvement	4
III	Overview of food plants: grains, pulses, vegetables, fruits Plants used for oil, fiber, medicine, spices, and timber Basic understanding of traditional plant knowledge (ethnobotany)	4
IV	Role of good microbes: biofertilizers and biopesticides Introduction to compost and vermicompost Basics of organic farming methods	3

	Modern practices: hydroponics and vertical gardening	
V*	<ul style="list-style-type: none"> • Preparation of MS medium. • To prepare the slants and petri plates for plant tissue culture. • Demonstration of <i>in-vitro</i> sterilization and inoculation methods using leaf and nodal explants of tobacco, <i>Datura</i>, <i>Brassica</i> etc. • Study of anther, embryo and endosperm culture, micropropagation, somatic embryogenesis & artificial seeds through photographs. • Identification and study of some important medicinal plants. • Identification and study of some important cereals. • Identification and study of some important pulses. • Identification and study of some important spice yielding plants. • Preparation of Compost 	30
Suggested Evaluation Methods		
Internal Assessment: >Theory <ul style="list-style-type: none"> • Class Participation : 05 • Seminar/presentation/assignment/quiz/class test etc. : 10 • Mid-Term Exam : 05 >Practical <ul style="list-style-type: none"> • Class Participation : NA • Seminar/Demonstration/Viva-voce/Lab records etc. : 10 • Mid-Term Exam : NA 		End Term Examination Theory : 50 Practical : 20
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> • Gupta, P.K. (1994).Introduction to Biotechnology. Rastogi Publications. • Bhojwani, S.S. & Razdan, M.K. (1996). Plant Tissue Culture: Theory and Practice. Elsevier Science • Singh, B.D. (2009). Biotechnology: Expanding Horizons. Kalyani Publications. • Cotton , C.M. (1996). Ethnobotany: Principles and Applications. John Wiley & Sons, Inc., New York, NY. • Verma, S. K. & Verma, M.(2008).Plant Physiology, Biochemistry and Biotechnology. S. Chand Publishing. • Kocchar, S.L. (2016). Economic Botany: A Comprehensive Study, 5th Edition, Cambridge India. • Wickens, G.E. (2001).Economic Botany: Principles and Practices. Springer. • Singh,V., Pande, P.C. & Jain, D.K.(2018).Economic Botany. Rastogi Publications. 		

Session: 2025-26			
Part A – Introduction			
Subject	BOTANY		
Semester	2nd		
Name of the Course	Aquaponics		
Course Code	B25-SEC-232		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	SEC-2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Define aquaponics and explain its basic concept and components. 2. Describe the advantages of aquaponics over traditional farming methods. 3. Identify the essential parts of an aquaponic system, including fish tanks, grow beds, and filters. 4. Recognize the role of aquaponics in sustainable and integrated farming systems. 5. Understand the potential of aquaponics for small-scale and home-based farming setups. 		
	Theory	Practical	Total
Credits	2	1	3
Contact Hours	2	2	4
THEORY			
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks: 35	Time: 3 Hours		
PRACTICAL			
Max. Marks: 25 Internal Assessment Marks: 5 End Term Exam Marks: 20	Time: 4 Hours		
Part B-Contents of the Course			
<p>Instructions for Paper- Setter</p> <p>1. Nine questions will be set in all. All questions will carry equal marks.</p> <p>2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.</p>			
Unit	Topics		Contact Hours
I	Concept and definition of aquaponics Advantages over traditional farming Components of aquaponics: fish tank, grow bed, water circulation Opportunities for small and home-based farmers		7
II	Types of aquaponic systems: media bed, NFT, DWC Selection of small-scale fish species: tilapia, carp, catfish Selection of vegetables and herbs: spinach, coriander, mint, lettuce, tomatoes		7

	Low-cost system setup for small spaces (balcony, terrace, backyard)	
III	Nitrogen cycle and role of bacteria Maintaining water quality: pH, ammonia, nitrites, nitrates Fish feeding schedule and plant care Simple disease prevention methods for fish and plants	8
IV	Techniques for harvesting fish and vegetables Post-harvest handling: washing, grading, and storage Local marketing methods: home delivery, farmers' markets, community groups Basic record-keeping, cost calculation, and profit estimation	8
V	Practical & Skill Development <ul style="list-style-type: none"> • Construction of a small aquaponic system using tubs, barrels, or PVC pipes • Preparation and installation of grow beds, fish tanks, and water circulation system • Fish stocking and feeding management (tilapia, carp, catfish) • Sowing seeds and transplanting leafy vegetables and herbs into grow beds • Monitoring and testing water quality (pH, ammonia, nitrites, nitrates) using simple kits • Cleaning and maintaining the filter and water pump system • Safe harvesting techniques for both fish and vegetables • Record keeping of daily activities, cost calculation, and basic profit analysis 	30

Suggested Evaluation Methods

Internal Assessment: >Theory <ul style="list-style-type: none"> • Class Participation : 04 • Seminar/presentation/assignment/quiz/class test etc. : 04 • Mid-Term Exam : 07 >Practical <ul style="list-style-type: none"> • Class Participation : NA • Seminar/Demonstration/Viva-voce/Lab records etc. : 05 • Mid-Term Exam : NA 	End Term Examination Theory : 35 Practical : 20
--	---

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- Somerville, C., Cohen, M., Pantanella, E., Stankus, A., & Lovatelli, A. (2014). *Small-scale aquaponic food production: Integrated fish and plant farming*. Food and Agriculture Organization of the United Nations (FAO).
- Love, D. C., Fry, J. P., Genello, L., Hill, E. S., Frederick, J. A., Li, X., & Semmens, K. (2015). An international survey of aquaponics practitioners. *PLOS ONE*, 10(7), e0133676. <https://doi.org/10.1371/journal.pone.0133676>
- Rakocy, J. E., Masser, M. P., & Losordo, T. M. (2006). *Recirculating Aquaculture Tank Production Systems: Aquaponics—Integrating Fish and Plant Culture*. Southern Regional Aquaculture Center Publication No. 454.
- Lennard, W. (2017). *Aquaponics: The basics*. Aquaponic Solutions.
- Nelson, R. (2014). *Aquaponic Food Production: Raising Fish and Plants for Food and Profit*. Nelson and PadeInc.

Session: 2025-26**Part A – Introduction**

Subject	BOTANY		
Semester	6th		
Name of the Course	Natural Farming		
Course Code	B25-VOC-346		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	VOC-3		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Recognize the principles of natural farming and explain the concept, classification and advantage of natural farming. 2. Gain knowledge about soil health and nutrients requirement by plants and their natural resources. 3. Information about biological control and various types of natural pesticides, weed management and preparation of crop calendar. 4. To know about Post harvest handling, marketing of natural products, food laws and ITK in natural farming. 5. Learn about various methods of natural farming. Preparation of bio manures and bio pesticides, post-harvest handling, local marketing of natural products. 		
	Theory	Practical	Total
Credits	2	2	4
Contact Hours	2	4	6
THEORY			
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks: 35	Time: 3 Hours		
PRACTICAL			
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks: 35	Time: 4 Hours		

Part B-Contents of the Course**Instructions for Paper- Setter**

1. Nine questions will be set in all. All questions will carry equal marks.
2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.

Unit	Topics	Contact Hours
I	Introduction to Natural Farming. Principles and Practices of Natural Farming. Indian Heritage of Natural Farming. Farming based livelihood systems- Concept of farming system and integrated farming system-Definition, goal and advantages. Classification of farming systems. Concept of Cow based Natural Farming.Land, feed and water requirement of traditional farming method, Advantages of cow based natural farming methods	7
II	Soil Biology and Nutrition in Natural farming: concept of essential, beneficial, functional and trace elements in soils; Formation of soil organic matter and its management in agroecosystem, carbon sequestration, soil carbon and nitrogen management indices, Soil quality and health, soil quality indicators, characteristics of a healthy soil, Best management practices (BMPs) for promoting soil health and monitoring of soil-health: minimum tillage, mulching, organic residue incorporation, cover crops, green manuring, crop rotation, conducive environment for beneficial microbes, mixed cropping, intercropping, composts,	8

	use of FYM, biochar, bioculture formulations, Horn manure, Samadhi Khad, Jeevamrit, Panchagavya, vermicompost, biogas manures (liquid and solid) etc. Microbial mediated nutrient availability and exchange in soil,	
III	Introduction and history of biological control of pests and diseases, Microbial biopesticides: biopesticides for natural farming, Different phytopathogenic biocontrol agents: Entomopathogenic biocontrol agents: Production, quality assessment and methods of application of biopesticides. Botanicals as pesticides: neem oil, garlic-chili spray, other plant-based formulations. Other physical agent for pest control: yellow sticky traps etc. Regulatory system of biopesticides in India, Weed management in crops using mulching. Use of companion plants and trap crops to reduce pest damage. Selection of indigenous crops for better responses under natural farming. Crop calendar aligned with summer winter and rainfall season.	8
IV	Post-harvest handling: cleaning, grading, and storing under shade Local marketing options: farmer's markets, direct sales, online platforms Role of farmer producer organizations in natural farming products business; Need of healthy food, Concept of healthy food, safe food, organic food, green food, pesticide free food etc. Interrelationship between natural farming and human health, Effect of natural farming on Nutrients, taste, safety, immune system, antibiotic resistance, antioxidant value and protection of environment, conservation of nutrients in processed foods, Food standards, food laws and labelling of natural foods, ITKs in human food and nutrition and health, Mission Life Style for Environment (LiFE)	7
V*	Practical and Field Work <ul style="list-style-type: none"> • Visit of natural farms to understand the concept, components and management practices • Study of different farming systems • Isolation and purification of microbial cultures, Enumeration of microbial population in soil- bacteria, fungi, actinomycetes, • Selection of crops for natural farming according to agro-ecological zones. • Study of Traditional seed treatment methods • Study of methods of crop residue management • Preparation of crop calendar for different sowing seasons under various microclimates • Preparation of Neemaster, Dashparniark ,Ginger- Garlic- Chilli extract Beejamrutha, Jeevamrutha, Ghana Jeevamrutha and its uses • Livestock waste utilization and recycling/ Familiarization with various fertilizers and manures • Mulching techniques to conserve soil moisture. • Identification and management of common pests and diseases. • Practical report writing and group presentation • Market survey and listing of natural farming foods available in the market, Preparation of nutrithali, 	60
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination
➤ Theory <ul style="list-style-type: none"> • Class Participation : 04 • Seminar/presentation/assignment/quiz/class test etc. : 04 • Mid-Term Exam : 07 		Theory : 35 Practical : 35

>Practical

- Class Participation : 05
- Seminar/Demonstration/Viva-voce/Lab records etc. : 10
- Mid-Term Exam : NA

Part C-Learning Resources**Recommended Books/e-resources/LMS:**

- Elsas, J.D.V, Jansson J.K. and Trevors (2006). Modern Soil Microbiology. Second Edition. CRC Press. Boca Raton.
- Das, D.K. (2015) Introductory Soil Science. 4th Edition, Kalyani Publishers, ISBN-13. 978-9327257540
- Agarwal, A and Udipi, S. (2014). Text Book of Human Nutrition. Jaypee Medical Publication, Delhi.
- Akshay Krishi Parivar (2022). Bhumi Suposhan-Commemorative Publication of the Nationwide Bhumi Suposhan and Samrakshan Abhiyan. AKP Publication No.11. pp 212.
- AOAC International (2016) AOAC Official Methods of Analysis. 20th Edition, Association of Official Analytical Chemists. Washington DC.
- Behera, UK. 2013. A Text Book of Farming Systems. Agrotech Publishing House, Udaipur, Rajasthan
- Bhattacharyya, P., &Chakraborty, G. (2019). *Organic Farming in India: Problems and Prospects*. New India Publishing Agency.
- Chander, M and Subrahmanyeswari, B. 2017. Organic Livestock Farming. Indian Council of Agricultural Research, New Delhi
- Choudhary, S.L., G.S. Sharma and Y.L. Nene (2000) Ancient and Medieval History of Indian Agriculture and its relevance to Sustainable Agriculture in the 21st Century. Proceedings of the summer school held from 28th May to 17th June 1999, Rajasthan College of Agriculture, Udaipur, India. Pp.363.
- Danstan P. Ambrose. 2018. The Insects: Beneficial and Harmful Aspects, Kalyani Publishers
- Das, P., Das, S.K., Arya, H.P.S., Reddy, G. Subba, Mishra, A. and others: Inventory of Indigenous Technical Knowledge in Agriculture: Mission Mode Project on Collection, Documentation and Validation of Indigenous Technical Knowledge, Document 1 to 7, Indian Council of Agricultural Research, New Delhi.
- Gaur, A. C. (2008). *Biofertilizers in Sustainable Agriculture*. Indian Council of Agricultural Research.
- Khurana, A. and Kumar, V. 2020. State of Organic and Natural Farming: Challenges and Possibilities, Centre for Science and Environment, New Delhi. Syllabus for UG Programme B.Sc. Ag. (Hons.) – Natural Farming 22
- Lamuela- Raventós (2019). Organic food and the impact on human health, Critical Reviews in Food Science and Nutrition, 59:4, 704-714, DOI: 10.1080/10408398.2017.1394815
- Narayan, S. (2005). *Organic Farming for Sustainable Agriculture*. Agrobios.
- Palaniappan, S. P., &Annadurai, K. (1999). *Organic Farming: Theory and Practice*. Scientific Publishers.
- Rangaswamy, R., & Mahajan, P. K. (2017). *Marketing of Agricultural Products*. Kalyani Publishers.
- Reddy, S. R. (2016). *Principles of Crop Production*. Kalyani Publishers.
- Reddy, S.R. 2016. Farming System and Sustainable Agriculture, Kalyani Publishers, New Delhi.
- Sangwan Satpal. 2007. Level of Agricultural Technology in India (1757- 1857). In. Nene YL. ed. Glimpses of the Agricultural Heritage of India. Asian Agri-History Foundation.pp.397-413.
- Sawhney SK and Singh R (2000). Introductory Practical Biochemistry. Narosa Publishing House, New Delhi.
- Kalia M (2002) Food Analysis and Quality Control. Kalyani Publishers, New Delhi.
- Sharma, S. K., Choudhary, R., Ravishankar, N., Jat, G., Sharma, R. K., Yadav, S. K. and Jain, R. K, 2022. Natural Farming: Concept, Importance, Scope and Status. Technical Bulletin, Directorate of Research, Maharana Pratap University of Agriculture and Technology, Udaipur. Pp 1-16.
- Shiva V, Shiva M and Singh V (2013). Poisons in Our Food- Links between Pesticides and Diseases, Natraj Publishers, Dehradun
- Singh, J.P., et al. 2015. Region Specific Integrated Farming System Models, ICAR Indian Institute of Farming Systems Research, Modipuram. Details of the Course — Semester I 33
- SubbaRao, N. S. (2018). *Soil Microbiology and Sustainable Crop Production*. CRC Press.
- Tripathi, L., &Kumawat, S. (2020). *Post-harvest Management of Horticultural Crops*. New India Publishing Agency.

SCHEME OF EXAMINATION

&

SYLLABI

of

Bachelor of Business Administration

(Honours/Honours with Research)

As per National Education Policy 2020

with effect from academic session 2025-26



Kurukshetra University

Kurukshetra-136119

(A++ Grade NAAC Accredited)

Bachelor of Business Administration (Honours)

Fourth Year: Semester VII

Course code	Nomenclature of the course	Category	Internal Marks	External Marks	Practical/ Viva-Voce Marks	Total Marks	Credits (L-T-P)			Contact Hours (L-T-P)		
B23-BBA-701	Environmental, Social and Governance Challenges in Business	CC-H1	30	70	-	100	4	3-1-0	3	1	0	
B23-BBA-702	Industrial Economics	CC-H2	30	70	-	100	4	3-1-0	3	1	0	
B23-BBA-703	Inferential Statistics	CC-H3	30	70	-	100	4	3-1-0	3	1	0	
	Each student will opt one course from pool of discipline specific elective courses for Semester VII	DSE-H1				100	4					
B23-BBA-710	Seminar	PC-H1	-	-	100*	100	4	4-0-0	0	4	0	
B23-BBA-711	Entrepreneurial Eco-System	CC-HM1	30	70	-	100	4	3-1-0	3	1	0	
Total						600	24					

POOL OF DISCIPLINE SPECIFIC ELECTIVE COURSES FOR SEMESTER VII

Course code	Nomenclature of Discipline Specific Elective Course	Category	Internal Marks	External Marks	Practical /Viva-Voce Marks	Total Marks	Credits (L-T-P)			Contact Hours (L-T-P)		
B23-BBA-704	Workplace Wellness and Holistic Development	DSE-H1	30	70	-	100	4	3-1-0	3	1	0	
B23-BBA-705	B2B Marketing	DSE-H1	30	70	-	100	4	3-1-0	3	1	0	
B23-BBA-706	Currency Flows and Reserves	DSE-H1	30	70	-	100	4	3-1-0	3	1	0	
B23-BBA-707	Foreign Market Entry Strategies	DSE-H1	30	70	-	100	4	3-1-0	3	1	0	
B23-BBA-708	Basics of Business Analytics	DSE-H1	30 (20+10)	70 (50+20**)	-	100	4	3-0-1	3	0	2	
B23-BBA-709	Technology Innovation and Digital Transformation in Business	DSE-H1	30	70	-	100	4	3-1-0	3	1	0	

*Seminar would be assessed by a presentation based on relevant topic assigned to the student by the institute/college and evaluation of the same will be done by the a two members committee comprising of an expert from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra and Head of Department (or his/her nominee) in concerned college/institute.

**The practical examination would be conducted by an expert from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra.

Fourth Year: Semester VIII

Course code	Nomenclature of the course	Category	Internal Marks	External Marks	Practical /Viva-Voce Marks	Total Marks	Credits (L-T-P)		Contact Hours (L-T-P)		
B23-BBA-801	Optimization Models for Business Decisions	CC-H4	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-802	Comprehensive Viva-Voce	CC-H5	-	-	100*	100	4		0	0	0
B23-BBA-803	Digital Forensic Accounting	CC-H6	30	70	-	100	4	3-1-0	3	1	0
	Each student will opt one course from pool of discipline specific elective courses for Semester VIII	DSE-H2					4				
B23-BBA-810	Exploratory Data Analysis and Forecasting	PC-H2	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-811	Indian Knowledge System and Management	CC-HM2	30	70	-	100	4	3-1-0	3	1	0
Total						600	24				

POOL OF DISCIPLINE SPECIFIC ELECTIVE COURSES FOR SEMESTER VIII

Course code	Nomenclature of Discipline Specific Elective Course	Category	Internal Marks	External Marks	Practical /Viva-Voce Marks	Total Marks	Credits (L-T-P)		Contact Hours (L-T-P)		
B23-BBA-804	Diversity, Equity and Inclusion at Workplace	DSE-H2	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-805	Retail Marketing Management	DSE-H2	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-806	Credit Rating and Analytics	DSE-H2	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-807	Multinational Financial Management	DSE-H2	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-808	Data Analysis using Power BI	DSE-H2	30 (20+10)	70 (50+20**)	-	100	4	3-0-1	3	0	2
B23-BBA-809	Entrepreneurial Mindset and Strategic Thinking	DSE-H2	30	70	-	100	4	3-1-0	3	1	0

*Comprehensive viva-voce would be conducted by expert from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra.

**The practical examination would be conducted by an expert from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra.

Note: Student completing 180 credits would be eligible to obtain **Bachelor of Business Administration (Honours).**

Bachelor of Business Administration (Honours/ Honours with Research)

Fourth Year: Semester VII

Course code	Nomenclature of the course	Category	Internal Marks	External Marks	Practical /Viva-Voce Marks	Total Marks	Credits (L-T-P)		Contact Hours (L-T-P)		
B23-BBA-701	Environmental, Social and Governance Challenges in Business	CC-H1	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-702	Industrial Economics	CC-H2	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-703	Inferential Statistics	CC-H3	30	70	-	100	4	3-1-0	3	1	0
	Each student will opt one course from pool of discipline specific elective courses for Semester VII	DSE-H1				100	4				
B23-BBA-710	Seminar	PC-H1	-	-	100*	100	4	4-0-0	0	4	0
B23-BBA-711	Entrepreneurial Eco-System	CC-HM1	30	70	-	100	4	3-1-0	3	1	0
Total						600	24				

POOL OF DISCIPLINE SPECIFIC ELECTIVE COURSES FOR SEMESTER VII

Course code	Nomenclature of Discipline Specific Elective Course	Category	Internal Marks	External Marks	Practical /Viva-Voce Marks	Total Marks	Credits (L-T-P)		Contact Hours (L-T-P)		
B23-BBA-704	Workplace Wellness and Holistic Development	DSE-H1	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-705	B2B Marketing	DSE-H1	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-706	Currency Flows and Reserves	DSE-H1	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-707	Foreign Market Entry Strategies	DSE-H1	30	70	-	100	4	3-1-0	3	1	0
B23-BBA-708	Basics of Business Analytics	DSE-H1	30 (20+10)	70 (50+20**)	-	100	4	3-0-1	3	0	2
B23-BBA-709	Technology Innovation and Digital Transformation in Business	DSE-H1	30	70	-	100	4	3-1-0	3	1	0

*Seminar would be assessed by a presentation based on relevant topic assigned to the student by the institute/college and evaluation of the same will be done by the a two members committee comprising of an expert from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra and Head of Department (or his/her nominee) in concerned college/institute.

**The practical examination would be conducted by an expert from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra.

Fourth Year: Semester VIII

Course code	Nomenclature of the course	Category	Internal Marks	External Marks	Practical /Viva-Voce Marks	Total Marks	Credits (L-T-P)			Contact Hours (L-T-P)		
B23-BBA-801	Optimization Models for Business Decisions	CC-H4	30	70	-	100	4	3-1-0	3	1	0	
B23-BBA-802	Comprehensive Viva-Voce	CC-H5	-	-	100*	100	4		0	0	0	
B23-BBA-811	Indian Knowledge System and Management	CC-HM2	30	70	-	100	4	3-1-0	3	1	0	
B23-BBA-812	Research Project	Project/ Dissertation	0	200**	100***	300	8+4 = 12		0	0	0	
Total						600	24					

*Comprehensive viva-voce would be conducted by expert from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra.

**Research Project/Dissertation Report will be evaluated by examiner from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra.

***Viva-Voce on Research Project/Dissertation will be conducted by examiner from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra.

Note: Students completing 180 credits would be eligible to obtain **Bachelor of Business Administration (Honours with Research).**

Part A – Introduction				
Subject	Business Administration			
Semester	VII			
Name of the Course	Environmental, Social and Governance Challenges in Business			
Course Code	B23-BBA-701			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-HI			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Develop a comprehensive understanding of Environmental, Social, and Governance (ESG) concepts and their business implications. 2. Analyse ESG frameworks, reporting standards, and global benchmarks. 3. Examine the challenges in integrating ESG principles into corporate strategy and operations. 4. Explore Indian and international corporate practices and regulatory responses to ESG imperatives. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part ‘A’ shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part ‘B’ shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Foundations of Environmental, Social and Governance (ESG) and Corporate Sustainability Evolution of Sustainability and Corporate Responsibility; ESG vs CSR vs Sustainability; ESG as a driver of long-term value creation; Triple Bottom Line approach (People, Planet, Profit); ESG and stakeholder theory.			15
II	ESG Frameworks, Standards, and Reporting Global ESG frameworks: GRI, SASB, TCFD, CDP, ISSB and SDGs; ESG and Indian context: SEBI’s BRSR (Business Responsibility and Sustainability Report), Companies Act, and MCA guidelines; ESG Metrics and KPIs (environmental footprint, social capital, governance score); ESG ratings and indices.			15
III	ESG Challenges and Risks Environmental challenges: climate change, carbon neutrality. Social challenges: diversity, labour standards, community engagement; Governance challenges: ethics, corruption, transparency, board accountability. ESG risk assessment and integration in business models; Greenwashing and ESG disclosure dilemmas.			15
IV	ESG Strategies, Innovations, and the Future ESG-driven innovation, Integrating ESG into business strategy and supply chain management. Role of leadership and culture in fostering ESG excellence; ESG in India: policy framework and investment trends.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Sanjay K. Agarwal (2023) – Sustainability and ESG: The India Story, Bloomsbury India. 2. Paul Watchman & Raj Thamoheram (2022) – ESG Investing for Dummies, Wiley. 3. Aithal, P. S. (2022) – Corporate Governance and ESG Challenges in Emerging Markets, Himalaya Publishing. 4. R. Edward Freeman, Lisa Stewart & Brian Moriarty (2020) – Stakeholder Management and Ethics, Cambridge University Press. 				

Part A – Introduction				
Subject	Business Administration			
Semester	VII			
Name of the Course	Industrial Economics			
Course Code	B23-BBA-702			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H2			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Explain the meaning, scope, and importance of industrial economics, and critically analyze the relationship between industrialization, agricultural development, and economic growth 2. Evaluate the determinants of industrial location and apply classical and modern location theories to real-world industrial development scenarios. 3. Assess the degree of market concentration and examine pricing strategies under perfect and imperfect competition, with an understanding of pricing methods and price wars. 4. Analyze role of non-price competition, product differentiation, and price discrimination strategies in shaping industrial behavior and market outcomes. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part ‘A’ shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part ‘B’ shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Introduction, Meaning and Scope of Industrial Economics, Need and Significance. Economic & Agricultural Development and Industrialization, Factors Affecting Industrial Development.			15
II	Industrial Location, Determinants of Industrial Location, Weber’s & Florence’s Theories of Industrial Location.			15
III	Market concentration and its measurement, Pricing Under Perfect & Imperfect Competition. Pricing Methods and Price Wars: Theories and Evidence.			15
IV	Meaning of Non-Price Competition & Product Differentiation, Horizontal Product Differentiation, Brand Proliferation as an Entry Deterrence Strategy. Price Discrimination: First, Second & Third-Degree Price Discrimination.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: 1. S.S. Desai (2012). <i>Industrial Economy in India</i> . Himalaya Publishing House. 2. R. R. Barthwal (2017). <i>Industrial Economics: An Introductory Textbook</i> . New Age International Publishers. 3. A. D. N. Bajpai (2015). <i>Industrial Economics and Management</i> . Sterling Publishers. 4. Hay, D. A., & Morris, D. J. (1991). <i>Industrial Economics: Theory and Evidence</i> . Oxford University Press. 5. Lipczynski, J., Wilson, J., & Goddard, J. (2017). <i>Industrial Organization: Competition, Strategy, Policy</i> . Pearson Education. 6. Schmalensee, R., & Willig, R. D. (1989). <i>Handbook of Industrial Organization</i> . North-Holland. 7. Clark, J. M. (1961). <i>Competition as a Dynamic Process</i> . Brookings Institution. 8. Porter, M. E. (1980). <i>Competitive Strategy: Techniques for Analyzing Industries and Competitors</i> . Free Press.				

Part A – Introduction				
Subject	Business Administration			
Semester	VII			
Name of the Course	Inferential Statistics			
Course Code	B23-BBA-703			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H3			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand and apply probability theory and probability distribution. 2. Understand sampling, sampling distributions, statistical estimation 3. Understand the basics of hypothesis testing and to perform various parametric test with applications in business. 4. To understand and perform non-parametric tests in situations related to business. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B - Contents of the Course				
<u>Instructions for Paper- Setter</u>				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part 'A' shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part 'B' shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Probability Theory: Basic Concepts and Approaches; Probability Rules; Bayes' Theorem. Probability Distribution: Meaning and Types; Characteristics and Applications of Binomial, Poisson and Normal Distributions.			15
II	Sampling: Need, Significance and Methods of Sampling; Sampling and Non-sampling Errors. Statistical Estimation: Estimates and Estimators, Point and Interval Estimation of Population Mean, Proportion, and Variance for small and large samples.			15
III	Statistical Testing: Hypotheses, basic concepts related to hypothesis testing. Parametric test: z test, t-test, and F test, ANOVA.			15
IV	Non-Parametric Tests: Chi-square Tests of Goodness of Fit, Independence, and Homogeneity, Tests of Equality of Population Proportions; Sign Test, Wilcoxon Signed-Rank Test, Wald-Wolfowitz Test, Kruskal-Wallis H Test.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Aczel Amir D. and J. Sounder pandian: Business Statistics; Tata McGraw Hill Publishing Company Limited, New Delhi. 2. Hooda, R.P.: Statistics for Business and Economics; MacMillan India Limited, New Delhi. 3. Levin Richard I. and David S. Rubin: Statistics for Management; Prentice Hall of India Private Limited, New Delhi. 4. Kohlar Heinz and Harper Collins: Statistics for Business and Economics, New York. 5. Gupta, S. P. and Gupta M. P.: Business Statistics; Sultan Chand and Sons, New Delhi. 6. Sharma, J. K.: Business Statistics; Prentice Hall of India, New Delhi, 2003. 				

Part A – Introduction				
Subject	Business Administration			
Semester	VII			
Name of the Course	Workplace Wellness and Holistic Development			
Course Code	B23-BBA-704			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H1			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the concepts and multidimensional aspects of workplace wellness and holistic development. 2. Analyse stress, burnout, and work-life balance challenges and their impact on holistic well-being. 3. Develop emotional intelligence, resilience, and coping strategies to enhance workplace wellness. 4. Design and implement wellness programs and organizational practices that foster holistic employee development. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part ‘A’ shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part ‘B’ shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Concept, Scope, and Importance of Workplace Wellness; Emotional Health: Meaning, Components, and Significance; Psychological and Behavioural Aspects of Workplace Well-being			15
II	Sources and Effects of Workplace Stress; Burnout: Causes, Symptoms, and Impact on Performance; Stress management techniques, Work-Life Balance Strategies and Practices			15
III	Emotional Intelligence: Concepts, Models, and Applications; Building Personal and Organizational Resilience; Coping Strategies and Mindfulness for Emotional Health			15
IV	Workplace Wellness Programs: Planning and Implementation; Role of Leadership, Culture, and Policy in Promoting Holistic Development; Emerging Trends: Digital Wellness, Mindfulness, and Employee Engagement.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Cooper, C. L., & Cartwright, S. (2020). <i>Healthy Mind, Healthy Organization</i>. Routledge. 2. Quick, J. C., & Tetrick, L. E. (2017). <i>Handbook of Occupational Health Psychology</i>. American Psychological Association. 3. Goleman, D. (1998). <i>Working with Emotional Intelligence</i>. Bantam Books. 4. Seligman, M. E. P. (2011). <i>Flourish: A Visionary New Understanding of Happiness and Well-being</i>. Free Press 5. Srivastava, A. (2018). <i>Workplace Wellness and Employee Well-being</i>. New Delhi: Sage Publications India. 6. Sharma, R. (2019). <i>Emotional Intelligence at Work: Indian Perspectives</i>. New Delhi: Excel Books. 7. Khandelwal, S. (2017). <i>Managing Workplace Stress and Well-being</i>. Mumbai: Himalaya Publishing House. 8. Mishra, S., & Singh, A. (2020). <i>Employee Wellness and Organizational Effectiveness in India</i>. New Delhi: Sage India. 				

Part A – Introduction				
Subject	Business Administration			
Semester	VII			
Name of the Course	B2B Marketing			
Course Code	B23-BBA-705			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H1			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the unique characteristics of business markets and organizational buying behaviour. 2. Develop and evaluate B2B marketing strategies for products, services, and technology-based offerings. 3. Apply principles of relationship marketing and key account management in business contexts. 4. Formulate strategic marketing plans for industrial and global business markets. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part ‘A’ shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part ‘B’ shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Introduction to Business Marketing: Nature, Scope, and Importance of B2B Marketing; Organizational Customers: Classification, Characteristics, and Types of Business Markets; Business Market Environment: Environmental Forces Affecting Business Marketing Decisions.			15
II	Organizational Buying Behaviour: Buying Situations, Buy grid Framework, and Buying Centre Roles; Models of Organizational Buying Behaviour: Webster & Wind Model, Sheth Model; Business Market Segmentation: Criteria, Targeting and Positioning Strategies in B2B Markets.			15
III	Managing Business Products: Product Strategy, Branding, and New Product Development in Industrial Markets; Business Pricing Decisions: Factors Affecting Pricing, Pricing Strategies, and Bidding in B2B Markets.			15
IV	Business Distribution and Logistics: Channel Design, Role of Intermediaries, and Supply Chain Management. Relationship Marketing and Key Account Management. Digital and Social Media in Business Marketing			15
Suggested Evaluation Methods				
Internal Assessment: > Theory ● Class Participation: 5 ● Seminar/presentation/assignment/quiz/class test etc.: 10 ● Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Hutt, M. D., & Speh, T. W. (2020). <i>Business Marketing Management: B2B</i>. Cengage Learning. 2. Anderson, J. C., & Narus, J. A. (2018). <i>Business Market Management: Understanding, Creating, and Delivering Value</i>. Pearson Education. 3. Brennan, R., Canning, L., & McDowell, R. (2020). <i>Business-to-Business Marketing</i>. Sage Publications. 4. Havaldar, K. K. (2010). <i>Industrial Marketing: Text and Cases</i>. Tata McGraw Hill. 5. Krishna, K. S., & Pillai, R. S. N. (2017). <i>Industrial Marketing</i>. S. Chand Publishing. 6. Ramaswamy, V. S., & Namakumari, S. (2019). <i>Marketing Management: Indian Context</i>. McGraw Hill Education. 				

Part A – Introduction				
Subject	Business Administration			
Semester	VII			
Name of the Course	Currency Flows and Reserves			
Course Code	B23-BBA-706			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H1			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: 1. Study India's forex reserves and their role in external stability. 2. Assess RBI's reserve management and sterilization policy. 3. Review legal and regulatory frameworks for forex stability. 4. Analyse currency flows, global trends, and reserve adequacy.			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
<u>Instructions for Paper- Setter</u>				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part 'A' shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part 'B' shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Concept and Role of Forex (Currency) Reserves, Foreign Exchange (Forex) Reserves- Structure, Adequacy, Investment and Strategic Role. Foreign Currency Assets (FCA), Gold holdings, Special Drawing Rights (SDRs), IMF Reserve Tranche. Valuation effects and their impact on reserve stock. Adequacy of Reserves: Traditional and modern indicators.			15
II	India's Reserve Accumulation Chronology: Post-1991 recovery, 2000s capital surges, Global Financial Crisis. Policy approaches across regimes. RBI's Reserve Management Framework: Objectives: Safety, liquidity, return. Investment strategy and asset allocation. Sovereign Bonds, Gold, SDRs.			15
III	Policy, Regulatory and Institutional Framework for Currency and Reserves Management in India. Legal Framework: FEMA 1999: Objectives, provisions, current and capital account regulations. FEMA (1999): Main provisions regulating currency flows. Regulatory Mechanisms: RBI Act provisions related to reserves and currency management.			15
IV	Macroeconomic Determinants: Interest rate differentials, inflation, global liquidity, trade competitiveness. Trends in trade flows, FDI/FPI inflows and outflows, external borrowings, and private remittances. Drivers of Capital Inflows & Outflows: Policy liberalization, financial market depth, exchange rate expectations.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15				End Term Examination: 70
Part C-Learning Resources				
Recommended Books/e-resources/LMS: 1. Apte, P.G. (2022). <i>International Financial Management</i> . Tata McGraw-Hill. 2. Sharan, Vyuptakesh. (2020). <i>International Financial Management</i> . PHI Learning. 3. Madura, Jeff & Fox, Roland. (2021). <i>International Financial Management</i> . Cengage Learning. 4. RBI Handbook of Statistics on Indian Economy 5. Economic Survey, Government of India 6. IMF <i>International Financial Statistics</i>				

Part A – Introduction				
Subject	Business Administration			
Semester	VII			
Name of the Course	Foreign Market Entry Strategies			
Course Code	B23-BBA-707			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H1			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Explain the concepts, motives, and barriers of foreign market entry and evaluate different entry modes and strategic considerations. 2. Analyze foreign market environments using systematic frameworks and apply strategic tools to select target markets. 3. Design and implement foreign market entry strategies through appropriate organizational setups, distribution systems, and strategic alliances 4. Evaluate the performance of foreign market entry strategies, manage associated risks, and critically assess emerging trends. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part ‘A’ shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part ‘B’ shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Concept of Foreign Market and Foreign Market Entry Strategies. Foreign Market Entry: EPRG framework, Internationalization Motives, and barriers. Modes of Foreign Market Entry: Exporting (indirect, direct), Contractual modes (licensing, franchising, turnkey projects, Contract manufacturing, Management contracting etc.), Investment modes (joint ventures, wholly owned subsidiaries, acquisitions). Strategic Considerations for Market Entry.			15
II	Market Selection Process: Screening, shortlisting, and final selection. Environmental Analysis: PESTLE framework, Cultural environment and Hofstede’s cultural dimensions, Legal and regulatory systems, Trade policies, bilateral and regional trade agreements. Competitive Environment Assessment: Porter’s Five Forces, global industry structure. Entry Timing Strategies: First mover vs. late mover advantage, sequencing of entry. Entry Mode Choice Frameworks: Transaction cost analysis, resource-based view, and institutional theory.			15
III	Implementation of Entry Strategies: Establishing Operations Abroad: Setting up subsidiaries, branches, liaison offices. Entry through Acquisitions and Mergers: Cross-border M&A strategies, integration challenges. Licensing and Franchising Arrangements.			15
IV	Evaluating Entry Strategy Performance: Key performance indicators, strategic control, and feedback. Managing Risks in Internationalization: Political, cultural, financial, legal, and operational risks. Recent Trends: Nearshoring, friendshoring, South-South cooperation, India’s role in Global Value Chains (GVCs). Digital Disruption and AI in Market Entry Decision Making. Case Discussions: Failed and successful entry strategies of Indian and multinational firms.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: 1. Czinkota, M. R., Ronkainen, I. A., & Moffett, M. H. (2022). <i>International business</i> (10th ed.). McGraw-Hill Education. 2. Root, F. R. (1994). <i>Entry strategies for international markets</i> . Jossey-Bass. 3. Hollensen, S. (2020). <i>Global marketing: A decision-oriented approach</i> (8th ed.). Pearson Education.				

Part A – Introduction				
Subject	Business Administration			
Semester	VII			
Name of the Course	Basics of Business Analytics			
Course Code	B23-BBA-708			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H1			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Use business analytics to enhance decisions and gain competitive advantage. 2. Collect and preprocess data ensuring quality and integrity. 3. Extract insights using data mining techniques like classification and association. 4. Create interactive dashboards for effective visualization and decision support. 5. *Analyze and interpret business data for informed decisions using analytics and BI tools. 			
Credits	Theory	Tutorial	Practical	Total
	3	0	1	4
Contact Hours/Week	3	0	2	5
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set nine questions in all and the question paper shall be divided into two parts. Part ‘A’ shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 2.5 marks each, which shall be compulsory. Part ‘B’ shall comprise eight questions (<i>two</i> questions from each unit) carrying 10 marks each and the student will be required to attempt four questions selecting one question from each unit. In addition, the paper-setter will consider only the first four units when setting the question paper for the external examination of the theory component of the course.				
Unit	Topics			Contact Hours
I	Introduction to Business Analytics: Overview and its importance in decision making; Key concepts and terminology in business analytics. Application areas and industries benefiting from business analytics; Introduction to data-driven decision making; Ethical considerations in business analytics.			12
II	Foundations of Data Analysis: Data cleaning and preprocessing techniques; Exploratory data analysis and visualization. Descriptive statistics and data summarization using MS-Excel.			11
III	Data Mining Techniques: Overview of data mining and its applications; Association analysis and market basket analysis; Classification and prediction techniques. Introduction to text mining and sentiment analysis.			11
IV	Business Intelligence (BI) and Reporting: Introduction to BI and reporting tools; Data visualization for effective communication. Key performance indicators (KPIs) and metrics; Using BI tools for decision support and reporting.			11
V*	Practical work: <ul style="list-style-type: none"> Analyze a business scenario, identify problems, and create a basic Excel dashboard. Clean datasets, perform EDA, calculate descriptive statistics, and visualize insights. Conduct market basket analysis, build a classification model, and perform sentiment/text analysis. Develop interactive dashboards, calculate KPIs, and generate management-ready reports using BI tools. 			30
Suggested Evaluation Methods				
Internal Assessment/Practical Marks: <ul style="list-style-type: none"> > Theory <ul style="list-style-type: none"> ● Class Participation: 5 ● Seminar/presentation/assignment/quiz/class test etc.: 5 ● Mid-Term Exam: 10 > Practicum <ul style="list-style-type: none"> ● Class Participation: 5 ● Demonstration/Viva-voce/Lab record/Field work/Survey etc.: 5 ● Mid-Term Exam: NA 			End Term Examination: 70 (Theory: 50 + Practicum: 20)	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Business Analytics: Methods, Models, and Decisions by James R. Evans 2. Data Science for Business: What You Need to Know about Data Mining and Data Analytic Thinking by Foster Provost and Tom Fawcett. 				

Part A - Introduction				
Subject	Business Administration			
Semester	VII			
Name of the Course	Technology Innovation and Digital Transformation in Business			
Course Code	B23-BBA-709			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H1			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. To understand the concepts, drivers, and models of technology innovation in business. 2. To analyse emerging digital technologies and their applications in transforming business processes. 3. To develop strategies for implementing digital transformation to achieve organizational objectives. 4. To evaluate challenges, trends, and best practices in digital transformation for sustainable business growth. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
<u>Instructions for Paper- Setter</u>				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part 'A' shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part 'B' shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Concept, Types, and Importance of Technology Innovation; Drivers of Technological Change and Innovation; Innovation Models and Frameworks for Businesses.			15
II	Emerging Digital Technologies: AI, IoT, Blockchain, Big Data and Cloud Computing. Digital Tools for Business Process Automation and Analytics; Technology Adoption Models and Digital Maturity			15
III	Formulating Digital Transformation Strategies; Change Management in Digital Transformation. Aligning Technology with Business Goals and Competitive Advantage			15
IV	Organizational, Cultural, and Ethical Challenges in Digital Transformation. Trends in Digital Business: Platform Economy, E-Commerce, and FinTech; Case Studies on Successful Digital Transformation in Indian and Global Businesses			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Westerman, G., Bonnet, D., & McAfee, A. (2014). <i>Leading Digital: Turning Technology into Business Transformation</i>. Harvard Business Review Press. 2. Rogers, D. L. (2016). <i>The Digital Transformation Playbook</i>. Columbia Business School Publishing. 3. Kane, G. C., Palmer, D., Phillips, A., Kiron, D., & Buckley, N. (2015). <i>Strategy, Not Technology, Drives Digital Transformation</i>. MIT Sloan Management Review. 4. Agarwal, R., & Sahay, B. S. (2020). <i>Digital Transformation and Business Strategy in India</i>. New Delhi: Sage Publications India. 5. Sharma, S., & Singh, R. (2019). <i>Technology Innovation and Management Practices in Indian Firms</i>. New Delhi: Pearson India. 6. Gupta, A., & Verma, P. (2021). <i>Digital Business and Innovation in Indian Organizations</i>. New Delhi: Wiley India. 7. Chaturvedi, R. (2018). <i>Emerging Technologies and Digital Transformation in Business</i>. Mumbai: Himalaya Publishing House. 				

Part A – Introduction				
Subject	Business Administration			
Semester	VII			
Name of the Course	Seminar			
Course Code	B23-BBA-710			
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	PC-H1			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the functioning of a particular industry, business etc. 2. Understand recent trends of a particular industry etc. 3. Understand relationship between government policies, economic growth etc. 4. Understand how can present a project, assignment etc. impressively to its clients, customer, policy makers etc. 			
Credits	Theory	Tutorial	Practical	Total
	0	4	0	4
Contact Hours/Week	0	4	0	4
Max. Marks: 100 Practical/Viva-Voce Marks/: 100 End Term Exam Marks: 0	Time: 3 Hours			
Part B- Contents of the Course				
<u>Evaluation of Seminar</u>				
Seminar would be assessed by a presentation based on relevant topic assigned to the student by the institute/college and evaluation of the same will be done by the a two members committee comprising of an expert from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra and Head of Department (or his/her nominee) in concerned college/institute.				
Unit	Topics			Contact Hours
I	The concerned college/institute/department will assign a relevant topic related to a company/industry/business organization/firm/banks/credit rating agency/NBFC/financial etc. to every student. The concerned college/institute/department will allot a teacher to a group of minimum of twenty students, who will supervise the student to prepare the presentation on assigned topic.			60
II				
III				
IV				
Suggested Evaluation Methods				
Internal Assessment: > Theory ● Class Participation: 0 ● Seminar/presentation/assignment/quiz/class test etc.: 0 ● Mid-Term Exam: 0			End Term Examination: 0	
Part C-Learning Resources				
Recommended Books/e-resources/LMS:				

Part A – Introduction				
Subject	Business Administration			
Semester	VII			
Name of the Course	Entrepreneurial Eco-System			
Course Code	B23-BBA-711			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-HM1			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. To understand the concept, components, and global and Indian perspectives of entrepreneurial ecosystems. 2. To identify entrepreneurial opportunities and analyze the role of innovation and incubation in venture creation. 3. To understand financing options, government policies, and risk management strategies for entrepreneurial ventures. 4. To analyse strategies and practices for developing and sustaining a successful entrepreneurial ecosystem. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part ‘A’ shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part ‘B’ shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Concept and Scope of Entrepreneurial Ecosystem; Key Components: Entrepreneurs, Investors, Institutions, and Policy Frameworks; Global and Indian Perspectives on Entrepreneurial Ecosystems.			15
II	Opportunity Recognition and Idea Generation; Innovation and Technology in Entrepreneurship; Startups, Incubators, and Accelerators. Determinants of entrepreneurial ecosystem.			15
III	Sources of Entrepreneurial Finance: Venture Capital, Angel Investors, and Government Schemes; Regulatory and Policy Frameworks. Supporting Entrepreneurs in India; Risk Management and Legal Considerations for Startups.			15
IV	Networking, Mentorship, and Knowledge Sharing; Scaling Ventures and Sustaining Growth; Challenges and Best Practices in Building Entrepreneurial Ecosystems.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: 1. Isenberg, D. J. (2011). <i>The Entrepreneurship Ecosystem Strategy: A New Paradigm for Economic Policy</i> . Babson College. 2. Stam, E. (2015). <i>Entrepreneurial Ecosystems and Regional Policy: A European Perspective</i> . Springer. 3. Feld, B. (2012). <i>Startup Communities: Building an Entrepreneurial Ecosystem in Your City</i> . Wiley. 4. Khanna, S., & Palepu, K. (2018). <i>Entrepreneurship in India: Perspectives and Practices</i> . New Delhi: Sage Publications India. 5. Taneja, S. (2020). <i>Entrepreneurship and Innovation in India</i> . New Delhi: Pearson India. 6. Gupta, P., & Kumar, R. (2019). <i>Startup Ecosystem in India: Policy, Finance and Innovation</i> . New Delhi: Wiley India. 7. Desai, V. (2021). <i>Entrepreneurship and Small Business Management in India</i> . Mumbai: Himalaya Publishing House.				

Part A - Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Optimization Models for Business Decisions			
Course Code	B23-BBA-801			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H4			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand management science approach to decision-making. 2. Formulate and solve various special cases i.e. transportation problems, and assignments problems of linear programming problems 3. To understand and apply decision-making and game theory concepts for optimal choices under risk, uncertainty, and competitive conditions. 4. Understand queuing theory, and to do network analysis using PERT/CPM techniques 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part 'A' shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part 'B' shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Management Science: basic concepts and its role in decision-making; Methodology of Management Science; models and modelling in Management Science. Linear Programming Problems: Basic Concepts and Assumptions, Problem Formulation and Solution by Graphical and Simplex Methods.			15
II	Transportation and Assignment Problems: Formulation and Solution. Transshipment Problems. Introduction to Integer Programming Problems and Goal Programming Problems. Difference between LP and GP.			15
III	Decision Theory: decision-making environments and decision-making under risk, and uncertainty; Decision Tree Analysis. Game Theory: two-person zero-sum games, pure strategies, mixed strategies, rule of dominance.			15
IV	Queuing Theory: general structure, operating characteristics and performance measures of a Queuing System; Queuing Models (Single Server models only). Network Analysis in Project Management: PERT/CPM- determination of Critical Path and Floats.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Gould, F.J. <i>etc.</i>: Introduction to Management Science, Englewood Cliffs, New Jersey. 2. William J. Stevenson: Introduction to Management Science, IRWIN, Sydney, Australia. 3. J. K. Sharma: Operations Research, MacMillan India Limited, New Delhi. 4. N.D.Vohra: Quantitative Techniques in Management, Tata McGraw Hill Publishing Company Limited, New Delhi. 				

Part A – Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Comprehensive Viva-Voce			
Course Code	B23-BBA-802			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H6			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to:			
Credits	Theory	Tutorial	Practical	Total
	0	0	0	4
Contact Hours/Week	0	0	0	0
Max. Marks: 100 Internal Assessment Marks: 0 End Term Exam Marks: 100			Time:	
Part B- Contents of the Course				
<u>Instructions for Paper- Setter</u>				
Unit	Topics			Contact Hours
Comprehensive viva-voce would be conducted by expert from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra.				
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 0 • Seminar/presentation/assignment/quiz/class test etc.: 0 • Mid-Term Exam: 0			End Term Examination:	
Part C-Learning Resources				
Recommended Books/e-resources/LMS:				

Part A - Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Digital Forensic Accounting			
Course Code	B23-BBA-803			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H6			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Develop an understanding of forensic accounting concepts, tools, and techniques in the digital environment. 2. Equip students with analytical skills for detecting and preventing financial frauds. 3. Familiarize learners with cybercrime, digital evidence, and legal frameworks relevant to forensic investigations. 4. Enable practical application of digital tools for financial data analysis and fraud detection. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part ‘A’ shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part ‘B’ shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Nature, scope, and objectives of forensic accounting. Types of financial frauds: asset misappropriation, corruption, financial statement fraud, Role and responsibilities of forensic accountants and fraud examiners, The fraud triangle and fraud risk indicators. Ethical and professional standards in forensic accounting, Overview of regulatory frameworks.			15
II	Introduction to digital forensics and cyber frauds, Cybercrime typologies: phishing, identity theft, ransomware, insider threats. Digital evidence collection, preservation, and analysis, Chain of custody and admissibility of digital evidence in court. Tools for digital forensic investigation. Cyber laws in India – Information Technology Act, 2000 and amendments.			15
III	Role of data analytics in forensic accounting, Data mining techniques for fraud detection Benford’s Law, ratio analysis, and trend analysis in forensic review Using Excel, and Power BI for forensic data analytics. Artificial Intelligence and Machine Learning applications in fraud detection, Continuous auditing and monitoring systems in digital environments.			15
IV	Litigation support and expert witness role of forensic accountants, Investigation report writing and presentation of findings, Legal proceedings and courtroom procedures in financial crimes. Recent trends: blockchain forensics, cryptocurrency frauds, forensic auditing in fintech Case studies: Enron, Satyam, Wirecard, PNB Scam, and digital financial frauds in India Future directions: RegTech, fraud analytics, and cybersecurity convergence.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Golden, T.W., & Clayton, M.M. – A Guide to Forensic Accounting Investigation, John Wiley & Sons. 2. Hopwood, W.S., Leiner, J., & Young, G.R. – Forensic Accounting and Fraud Examination, McGraw Hill. 3. Crumbley, D.L., Heitger, L.E., & Smith, G.S. – Forensic and Investigative Accounting, CCH. 4. Albrecht, W.S. – Fraud Examination, Cengage Learning. 				

Part A - Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Diversity, Equity and Inclusion at Workplace			
Course Code	B23-BBA-804			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H2			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the conceptual foundations of equity, equality, diversity, and inclusion. 2. Identify barriers to inclusion across social, educational, and organizational settings. 3. Analyze policies and practices that promote equity and social justice. 4. Design inclusive strategies for diverse environments. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part 'A' shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part 'B' shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Meaning and scope of equity, equality, diversity, and inclusion, Theories of social justice and human rights. Historical evolution of inclusion movements (gender, disability, race, caste, class). Intersectionality and identity politics.			15
II	Social, economic, cultural, and institutional barriers. Discrimination and exclusion in education, workplace, and community. Power dynamics and privilege. Gender equity, disability inclusion, and minority rights.			15
III	International conventions and frameworks (UNESCO, UN SDGs, CRPD, CEDAW). National policies and acts promoting inclusion (e.g., RTE Act, RPWD Act, gender and minority policies). Role of government, NGOs, and civil society. Inclusive education and workplace inclusion models.			15
IV	Designing inclusive environments and programs. Inclusive leadership and organizational culture. Participatory approaches and community engagement. Monitoring, evaluation, and indicators of inclusion. Case studies: Best practices in equity and inclusion (education, corporate, governance).			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Sen, A. (2009). <i>The Idea of Justice</i>. Penguin Books. 2. Nussbaum, M. (2011). <i>Creating Capabilities: The Human Development Approach</i>. Harvard University Press. 3. UNESCO (2020). <i>Global Education Monitoring Report: Inclusion and Education</i>. 4. Ainscow, M., & Booth, T. (2019). <i>The Index for Inclusion</i>. Centre for Studies on Inclusive Education. 5. Fraser, N. (2008). <i>Scales of Justice: Reimagining Political Space in a Globalizing World</i>. Polity Press. 				

Part A - Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Retail Marketing Management			
Course Code	B23-BBA-805			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H2			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the basic nature of retailing, its growth and challenges 2. Understand process and types of retailing 3. Understand the basic nature of merchandising 4. Understand the basic concept of store management and layout 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
<u>Instructions for Paper- Setter</u>				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part ‘A’ shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part ‘B’ shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Retailing: Concept, functions, Scope & Trends in Retailing, Issues & Challenges in Organized Retailing. Retail Evolution & Growth in Indian Context, Understanding Retail Consumers.			15
II	Retailing strategy: Process & Development, Types of Retailing Formats. Retail Location Strategy, Retail Promotion Strategy, CRM in Retailing.			15
III	Retail Merchandising: Concept, Merchandising Planning Process, Methods of Merchandising Procurement. Retail Pricing & Evaluating Merchandising Performance. Retail Marketing and Branding, Retailing & MIS			15
IV	Servicing the Retail Customer, Store Management, Store Layout, Design & Visual Merchandising, and Private Labels. Retail Franchising, Category Management in Retailing. Multi-channel Retailing, Role of Technology in Retailing			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: 1. Pradhan Swapna: Retailing Management - Text & Cases, 3 rd edition, 2009 2. Michael Levy & Barton A Weitz: Retailing Management, Tata McGraw-Hill Publication, 5 th edition. 3. David Gilbert: Retail Marketing Management, Pearson Education India 2 nd Edition. 4. Barry Berman and Joel R. Evans: Retail Management-A Strategic Approach, PHI 10 th Edition. 5. Chetan Bajaj, Rajnish Tuli, Nidhi Srivastava: Retail Management, Oxford Publication, 1 st edition, 2005 6. Roger Cox & Paul Brittain: Retailing- an Introduction, Pearson Education India, 5 th edition, 2006				

Part A - Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Credit Rating and Analytics			
Course Code	B23-BBA-806			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H2			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the fundamentals, significance, and regulatory framework of credit rating. 2. Analyze financial statements and borrower profiles for effective credit assessment. 3. Apply credit scoring models and analytics techniques for evaluating credit risk. 4. Interpret credit ratings and apply insights for informed lending and investment decisions. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part 'A' shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part 'B' shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Meaning, Nature, and Importance of Credit Rating, Types of Credit Ratings: Long-term, Short-term, Sovereign, Corporate, Structured Finance, and Bank Ratings. Credit Rating Symbols and Scales- National and Global Comparison. Benefits and Limitations of Credit Rating. Ownership, Governance, and Regulatory Framework (SEBI and RBI guidelines).			15
II	Objectives, Functions and Development of Credit Rating Industry in India (CRISIL, ICRA, CARE Ratings, etc.) and Abroad (Standard & Poor's (S&P), Moody's Investors Service, Fitch Ratings etc.). Role of Rating Agencies in Financial Stability and Market Efficiency. Ethical Issues and Controversies in Rating Agencies. Interpreting Ratings and Rating Outlooks.			15
III	Stages of Credit Rating Process, Factors Affecting Credit Rating Decisions: Quantitative and Qualitative Analysis. Role of Analysts and Rating Committees. Credit Rating for Different Instruments – Debentures, Commercial Papers, Structured Obligations, NBFCs, and Banks. Legal and Regulatory Framework Governing Rating Procedures in India.			15
IV	Data Inputs, Risk Parameters, and Modelling Techniques. Key Financial Ratios and Indicators used in Rating Models. Quantitative Analysis Tools: Statistical Models, Regression, Z-score, and Risk Scoring. Qualitative Assessment: Management Quality, Industry Risk, Corporate Governance, ESG Factors. Use of Credit Rating Analytics in Investment Decisions and Risk Management. Emerging Trends: AI, Machine Learning, and Big Data in Credit Rating Analytics.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Basu, S. (2016). <i>Credit Rating: Principles and Practices</i>. PHI Learning. 2. Sehgal, S. (2018). <i>Credit Rating and Risk Analysis</i>. Taxmann Publications. 3. CRISIL. (2023). <i>CRISIL Rating Methodology Guides</i>. Retrieved from www.crisil.com 4. Moody's Investors Service. (2022). <i>Rating Methodologies and Definitions</i>. Moody's Publications. 5. SEBI (Credit Rating Agencies) Regulations, 1999 (with amendments). 				

Part A - Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Multinational Financial Management			
Course Code	B23-BBA-807			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H2			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand MNC finance and impact of ESG, sustainability, and fintech. 2. Analyse MNC decisions under exchange, tax, and political risks. 3. Evaluate global financing sources and working capital alignment. 4. Examine international taxation, accounting, and financial trends. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
<u>Instructions for Paper- Setter</u>				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part ‘A’ shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part ‘B’ shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Nature, and significance of Multinational financial management, domestic financial management vs. multinational financial management. Sustainability, ESG, and Green Finance in MNC operations. Fintech and Digital Finance in International Operations: Blockchain, CBDCs, cross-border payment innovations.			15
II	MNC: Nature, Reasons for Growth, Problems. International Working Capital Management: cash, inventory and receivables. Multinational Cash Management: Netting, pooling, transfer pricing, leading and lagging. Capital Budgeting for Foreign Projects: Adjusted NPV, APV, project vs. parent perspective, political risk adjustments. Capital Structure of MNCs: Determinants, differences from domestic firms, leverage considerations. Cost of Capital in MNCs: Weighted Average Cost of Capital (WACC), marginal cost, impact of exchange rate and tax differentials.			15
III	International Financing: short term financing and long-term financing. Sources of International Financing: Eurocurrency markets, Eurobonds and foreign bonds, international equity markets, Global Depository Receipts (GDRs), American Depository Receipts (ADRs), ECBs, Masala Bonds. Financial Strategy of MNCs: Aligning financial goals with global strategy. Working Capital Management in MNCs: Receivables, inventory, payables in multinational context. Repatriation of Profits and Dividend Policy for foreign subsidiaries. Mergers and Acquisitions (Cross-Border): Valuation, financing, regulatory issues in India.			15
IV	FDI and Portfolio Investment: Determinants, trends in Indian outward and inward FDI. Taxation Issues in MNC Finance: Transfer pricing, double taxation treaties, BEPS framework. Recent Developments: OECD tax reforms, global minimum tax, de-dollarization trends, India’s role in BRICS financial initiatives. International Accounting: consolidation of financial statements.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Eiteman, D. K., Stonehill, A. I., & Moffett, M. H. (2021). Multinational business finance (15th ed.). Pearson Education. 2. Shapiro, A. C. (2013). Multinational financial management (10th ed.). Wiley. 3. Madura, J. (2020). International financial management (14th ed.). Cengage Learning. 4. Apte, P. G. (2021). International financial management (8th ed.). Tata McGraw-Hill. 5. Reserve Bank of India. (2023). Handbook of statistics on the Indian economy. RBI.https://www.rbi.org.in 				

Part A – Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Data Analysis using Power BI			
Course Code	B23-BBA-808			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H2			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand Power BI fundamentals and develop basic visualizations for business data. 2. Clean, transform, and prepare datasets for analysis using Power Query. 3. Build relational data models and apply DAX for advanced analytics in Power BI. 4. Create interactive dashboards and reports in Power BI that effectively communicate business insights for decision-making. 5. *Students will be able to design, analyze, and present interactive business dashboards in Power BI by integrating, transforming, and visualizing data to support informed managerial decision-making. 			
Credits	Theory	Tutorial	Practical	Total
	3	0	1	4
Contact Hours/Week	3	0	2	5
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
<u>Instructions for Paper- Setter</u>				
The Paper-Setter shall set nine questions in all and the question paper shall be divided into two parts. Part ‘A’ shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 2.5 marks each, which shall be compulsory. Part ‘B’ shall comprise eight questions (<i>two</i> questions from each unit) carrying 10 marks each and the student will be required to attempt four questions selecting one question from each unit. In addition, the paper-setter will consider only the first four units when setting the question paper for the external examination of the theory component of the course.				
Unit	Topics			Contact Hours
I	Overview of Power BI: Desktop, Service, and Mobile; Importing data from various sources. Basic chart types: bar, column, line, pie, area; Introduction to dashboards and reports			12
II	Data cleaning, merging, and transformation using Power Query; Handling missing values, duplicates, and data type conversions. Creating calculated columns and basic measures; ETL (Extract, Transform, Load) processes			11
III	Creating data models and defining relationships; Introduction to DAX: calculated columns, measures, and tables. Time intelligence functions: YTD, QTD, MTD; Slicers, filters, and bookmarks for interactive reports			11
IV	Designing dashboards: KPIs, tiles, and visual interactions; Drill-downs, tooltips, and conditional formatting. Publishing and sharing reports in Power BI Service; Case studies and real-world business scenarios			11
V*	Practical work: <ul style="list-style-type: none"> • Import and visualize company sales data using bar, line, and pie charts by product, region, and month. • Clean and transform raw business data with Power Query (remove duplicates, fix types, merge files). • Create table relationships and DAX measures like Total Revenue, Profit Margin, and YTD Sales. • Build and publish an interactive Power BI dashboard with KPIs, slicers, and drill-down analysis. 			30
Suggested Evaluation Methods				
Internal Assessment/Practical Marks: <ul style="list-style-type: none"> > Theory <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 5 • Mid-Term Exam: 10 > Practicum <ul style="list-style-type: none"> • Class Participation: 5 • Demonstration/Viva-voce/Lab record/Field work/Survey etc.: 5 • Mid-Term Exam: NA 				End Term Examination: 70 (Theory: 50 + Practicum: 20)
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Reza Rad, Mastering Power BI, Packt, 2019 2. Dan Clark, Microsoft Power BI Complete Reference, 2020 3. Gil Raviv, Collect, Combine, and Transform Data Using Power Query in Excel and Power BI, 2018 				

Part A - Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Entrepreneurial Mindset and Strategic Thinking			
Course Code	B23-BBA-809			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-H2			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the concept, types, and sources of stress and their impact on human behaviour. 2. Develop strategic thinking skills and apply tools for creating innovative and agile entrepreneurial strategies. 3. Analyse and apply frameworks for identifying opportunities and making strategic decisions under uncertainty. 4. Build strategic capabilities, innovation competencies, and sustainable growth strategies in entrepreneurial contexts. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part 'A' shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part 'B' shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Concept and dimensions of the entrepreneurial mindset; Cognitive and psychological characteristics of entrepreneurs; Motivation, self-efficacy, and risk-taking behavior; Creativity and innovation as drivers of mindset; Entrepreneurial attitudes, resilience, and orientation models.			15
II	Concept and principles of strategic thinking; Strategic intent, vision, and mission in entrepreneurial ventures. Analytical and creative approaches to strategy formulation; Entrepreneurial strategy vs. corporate strategy; Strategic agility, dynamic capabilities, and tools (SWOT, Blue Ocean, Business Model Canvas)			15
III	Identifying and evaluating entrepreneurial opportunities; Effectuation and causation approaches; Entrepreneurial intuition and judgment under uncertainty. Decision-making models in startups and SMEs; Strategic risk assessment and resource allocation.			15
IV	Building strategic capabilities and competitive advantage; Innovation strategy and business model innovation. Entrepreneurial learning, reflective practice, and leadership; Scaling, growth, and sustainability strategies; Global and digital perspectives in strategic entrepreneurship.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Dweck, C. (2006). <i>Mindset: The New Psychology of Success</i>. Random House. 2. McGrath, R. G., & MacMillan, I. C. (2000). <i>The Entrepreneurial Mindset</i>. Harvard Business Review Press. 3. Liedtka, J. (1998). <i>Strategic Thinking: Can It Be Taught?</i> Long Range Planning, 31(1), 120–129. 4. Kim, W. C., & Mauborgne, R. (2015). <i>Blue Ocean Strategy</i>. Harvard Business Review Press. 5. Sarasvathy, S. D. (2001). <i>Causation and Effectuation: Toward a Theoretical Shift in Entrepreneurship Research</i>. Academy of Management Review, 26(2), 243–263. 6. Shane, S. (2003). <i>A General Theory of Entrepreneurship</i>. Edward Elgar. 				

Part A - Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Exploratory Data Analysis and Forecasting			
Course Code	B23-BBA-810			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	PC-H2			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: 1. Understand the purpose, scope, and basic techniques of exploratory data analysis. 2. Preprocess and analyze data using univariate and bivariate techniques for pattern identification. 3. Apply multivariate analysis and advanced visualization for exploring complex datasets. 4. Understand and implement basic forecasting models and assess their accuracy.			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part 'A' shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part 'B' shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Overview of EDA; Types of data: categorical, numerical, time series; Major goals and approaches in EDA. Introduction to visualization tools (Python, R, Excel).			15
II	Data wrangling: cleaning, merging, transforming; Univariate analysis: histograms, boxplots, descriptive statistics. Bivariate analysis: scatterplots, correlation coefficients, cross-tabs; Techniques for handling missing and outlier values.			15
III	Multivariate EDA: pair plots, heatmaps, clustering; Time-series visualization and decomposition. Dashboards and interactive web-based visualizations; Principles of effective data presentation.			15
IV	Introduction to forecasting: definitions and applications; Time series components: trend, seasonality, residual. Regression-based forecasting: linear and polynomial models; ARIMA and exponential smoothing models; Forecast evaluation: MAE, RMSE, MAPE.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: 1. Jake Vander Plas, <i>Python Data Science Handbook</i> , O'Reilly, 2017 2. Eric Pimpler, <i>Data Visualization and Exploration with R</i> , 2017 3. Matt Harrison, <i>Learning the Pandas Library</i> , 2016 4. Roger D. Peng, <i>Exploratory Data Analysis with R</i> , Springer, 2016 5. Srivastava, S., & Kumar, V. (2019). <i>Data Analytics for Business Decisions</i> , New Delhi: Sage India 6. Sharma, R., & Gupta, P. (2020). <i>Business Analytics: Concepts and Applications</i> , New Delhi: McGraw-Hill Education India				

Part A - Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Indian Knowledge System and Management			
Course Code	B23-BBA-811			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-HM2			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand ethical and philosophical bases of the Indian Knowledge System. 2. Derive management insights from ancient Indian texts. 3. Apply Indian values for self and team management. 4. Integrate Indian ethics into modern business practices. 			
Credits	Theory	Tutorial	Practical	Total
	3	1	0	4
Contact Hours/Week	3	1	0	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours			
Part B- Contents of the Course				
Instructions for Paper- Setter				
The Paper-Setter shall set <i>nine</i> questions in all and the question paper shall be divided into two parts. Part 'A' shall comprise <i>four</i> short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. Part 'B' shall comprise <i>eight</i> questions (<i>two</i> questions from each unit) carrying 14 marks each and the student will be required to attempt <i>four</i> questions selecting <i>one</i> question from each unit.				
Unit	Topics			Contact Hours
I	Meaning, scope, and evolution of the Indian Knowledge System; Sources of Indian Knowledge: Vedas, Upanishads, Smritis, and Puranas; Interrelation between Knowledge, Values, and Management; Concept of holistic worldview: Dharma, Artha, Kama, and Moksha; Ethical foundations and human values in Indian tradition			15
II	Management principles in Kautilya's Arthashastra; Leadership, planning, and decision-making in Thirukkural and Panchatantra; Insights on governance and organization from ancient texts; Role of Gita and Ramayana in understanding leadership and duty (Karma Yoga)			15
III	Work ethics and motivation in Indian philosophy (Nishkam Karma, Seva, Samatva); Concept of self-management and emotional balance (Yoga and Meditation); Indian perspectives on team building, conflict resolution, and harmony; Relevance of Indian systems like Gurukul and Ashram for organizational learning			15
IV	Integrating IKS with modern management theories; Sustainable development and holistic growth models from Indian thought; Corporate governance and social responsibility in Indian ethos; Case studies: Indian organizations applying traditional values in management.			15
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 10 • Mid-Term Exam: 15			End Term Examination: 70	
Part C-Learning Resources				
Recommended Books/e-resources/LMS: 1. Chakraborty, S. K. (1995). <i>Managerial Transformation by Values: A Corporate Pilgrimage</i> . Sage Publications. 2. Thich Nhat Hanh. (1991). <i>Peace is Every Step: The Path of Mindfulness in Everyday Life</i> . Bantam Books. 3. Radhakrishnan, S. (1923). <i>Indian Philosophy</i> . Oxford University Press. 4. Rangarajan, L. N. (1992). <i>Kautilya: The Arthashastra</i> . Penguin Books.				

Part A – Introduction				
Subject	Business Administration			
Semester	VIII			
Name of the Course	Research Project			
Course Code	B23-BBA-812			
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	Project/ Dissertation			
Level of the course (As per Annexure-I)	400-499			
Pre-requisite for the course (if any)	None			
Course Learning Outcomes (CLO):	After completing this course, the learner will be able to:			
Credits	Theory	Tutorial	Practical	Total
	0	0	0	12
Contact Hours/Week	0	0	0	0
Max. Marks: 300 Practical/Viva-Voce Marks: 100 End Term Exam Marks: 200	Time:			
Part B- Contents of the Course				
<u>Instructions for Paper- Setter</u>				
Unit	Topics			Contact Hours
<p>Research Project/Dissertation Report will be evaluated by examiner from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra.</p> <p>Viva-Voce on Research Project/Dissertation will be conducted by examiner from panel approved by UGBOS of University School of Management, Kurukshetra University, Kurukshetra.</p>				
Suggested Evaluation Methods				
Internal Assessment: > Theory • Class Participation: 0 • Seminar/presentation/assignment/quiz/class test etc.: 0 • Mid-Term Exam: 0			End Term Examination:	
Part C-Learning Resources				
Recommended Books/e-resources/LMS:				

POOL OF MULTIDISCIPLINARY COURSES (MDC)

Multidisciplinary courses are based on introductory knowledge in a subject. These courses are offered to students of other discipline than discipline of business administration/management.

Course Type	Course Code	Nomenclature of course	Credits (L-T-P)	Contact Hours/Week	Internal Marks	End Term Marks	Total Marks	Duration of Exam
MDC-1	B23-BBA-105	Social Media Marketing	3 (2-1-0)	3	25	50	75	3 hrs.
MDC-2	B23-BBA-206	Entrepreneurship & Start-ups	3 (2-1-0)	3	25	50	75	3 hrs.
MDC-3	B23-BBA-306	Fundamentals of Investing	3 (2-1-0)	3	25	50	75	3 hrs.

Session: 2025-26			
Part A – Introduction			
Subject	BOTANY		
Semester	5th		
Name of the Course	Mushroom Production Technology		
Course Code	B25-VOC-147		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	VOC-1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)			
Course Learning Outcomes(CLO):	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Students will be able to understand the nutritional and medicinal value of edible mushrooms. 2. Students will develop a conceptual understanding of various procedure and techniques used for mushroom cultivation. 3. Students will gain knowledge about the storage procedure of different types of edible mushrooms. 4. Students will be able to understand the harvest, post harvest and marketing procedure of cultivated mushrooms. 5. Students will gain the knowledge of practical aspects of mushroom cultivation 		
	Theory	Practical	Total
Credits	2	2	4
Contact Hours	2	4	6
THEORY			
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks: 35	Time: 3 Hours		
Practical			
Max. Marks: 50 Internal Assessment Marks: 15 End Term Exam Marks: 35	Time: 4 Hours		
Part B-Contents of the Course			
Instructions for Paper- Setter			
1. Nine questions will be set in all. All questions will carry equal marks. 2. Question No.1 will be short answer type covering the entire syllabus and will be compulsory. The remaining eight questions will be set unit wise selecting two questions from each unit. The candidate will be required to attempt question No. 1 and four more questions selecting one question from each unit.			
Unit	Topics		Contact Hours
I	Introduction to Mushroom Farming What are mushrooms? Types of edible mushrooms: Button, Oyster, Paddy straw, Milky Nutritional and medicinal value of mushrooms Role of mushrooms in health and income generation		7
II	Basic Biology, Infrastructure, and Materials Scope of mushroom farming in India (urban & rural) Government support schemes and success stories Required infrastructure: low-cost models for home or backyard farming Tools and materials: spawn, substrate, bags, racks, casing soil Safety and hygiene: do's and don'ts to avoid contamination		7

III	Step-by-Step Cultivation Techniques Substrate preparation (paddy straw, wheat straw, sawdust, etc.) Spawn inoculation: how to mix spawn with substrate Bag filling and incubation techniques Managing temperature and humidity in a simple setup Identification of growth stages Pests, diseases, and how to prevent them using simple methods	8
IV	Harvesting, Post-Harvest Handling, and Business Skills When and how to harvest mushrooms Cleaning, drying, and basic storage Cost estimation and profit calculation Small-scale packaging ideas Marketing channels: local markets, organic shops, hotels, door delivery How to start a mushroom business: legal requirements, FSSAI basics, local markets Connecting with training centres, KVKs, MSME support	8
V*	Practical & Skill Development <ul style="list-style-type: none"> • Identification of substrates and hands-on preparation • Practical demonstration of spawn mixing and bag filling • Setting up a mini mushroom unit in class or farm • Daily observation of growth and noting changes. • Demonstration of harvesting and post-harvest care • Drying and packaging techniques using simple tools • Preparing a business plan (basic costing, pricing, profit margin) • Visit to a nearby mushroom farm or training centre. • Guest talk by a local mushroom entrepreneur • Distribution of DIY mushroom kits for home practice 	60
Suggested Evaluation Methods		
Internal Assessment: >Theory <ul style="list-style-type: none"> • Class Participation : 04 • Seminar/presentation/assignment/quiz/class test etc. : 04 • Mid-Term Exam : 07 >Practical <ul style="list-style-type: none"> • Class Participation : 05 • Seminar/Demonstration/Viva-voce/Lab records etc. : 10 • Mid-Term Exam : NA 		End Term Examination Theory : 35 Practical : 35
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> • Sharma, V. P., & Kumar, S. (2020). Mushroom Cultivation: A Practical Approach. Daya Publishing House. • Suman, B. C., & Sharma, V. P. (2007). Mushroom Cultivation in India. Daya Publishing House. • Kumar, S., & Sharma, V. P. (2017). Edible Mushrooms: Cultivation, Bioactive Molecules, and Health Benefits. Studium Press. • Singh, M., Vijay, B., Kamal, S., & Wakchaure, G. C. (2011). Mushroom Cultivation Technology. ICAR. • Chandra, S. (2020). Entrepreneurship Development in Mushroom Farming. New India Publishing Agency • Bhatt, B. P., & Singh, R. (Eds.). (2020). Mushroom: A Potential Agribusiness for Rural Development. ICAR. 		

KURUKSHETRA UNIVERSITY, KURUKSHETRA
 ('A⁺⁺' Grade, NAAC Accredited)
SCHEME OF EXAMINATION FOR MASTER OF TECHNOLOGY
(Civil Engineering)
(W.e.f. SESSION: 2025-26)

SEMESTER- I

S. No.	Course Code	SUBJECT	L	T	P	Total	Evaluation		Cr.	Duration of Exam (Hrs.)
							Mid Sem	End Sem		
1	MTCE-101 A	Advanced solid mechanics	3	-	-	3	40	60	3	3
2	MTCE-103A	Concrete Technology	3	-	-	3	40	60	3	3
3	*	Program Elective –I	3	-	-	3	40	60	3	3
4	**	Program Elective-II	3	-	-	3	40	60	3	3
5	MTCE-121A	Soil Mechanics lab-1	-	-	2	2	40	60	2	3
6	MTCE-123A	Advanced Concrete Lab	-	-	2	2	40	60	2	3
7	MTRM-111 A	Research Methodology and IPR	2	-	-	2	40	60	2	3
8	***	Audit Course-I	2	-	-	0	100	-	0	0
TOTAL			16	0	4	18	380	420	18	
							800			

*Program Elective - I		**Program Elective- II	
MTCE-105A	Environmental Ethics and Legislation	MTCE-113A	Advanced Soil Mechanics
MTCE-107A	Life Cycle Analysis and Design for Environment	MTCE-115A	Advanced Foundation Engineering
MTCE-109A	Water quality Management	MTCE-117A	Ground Improvement Techniques
MTCE-111A	Water and Wastewater Treatment Processes	MTCE-119A	Pavement Analysis and Design

*** Audit Course-I	
MTAD-101 A	English for Research Paper Writing
MTAD-103 A	Disaster Management
MTAD-105 A	Sanskrit for Technical Knowledge
MTAD-107 A	Value Education

Note: 1.The course of program elective will be offered at 1/3rd or 6 numbers of students (whichever is smaller) strength of the class.

2. *** Along with the credit course, a student may normally be permitted to take audit course, however for auditing a course; prior consent of the course coordinator of the course is required. These courses shall not be mentioned for any award/calculation of SGPA/CGPA in the DMC. A certificate of successful completion of the audit course will be issued by the Director/Head of institution.

SEMESTER-II

S. No.	Course code	Subject	L	T	P	Total	Evaluation		Cr.	Duration of Exam (Hrs.)
							Mid Sem	End Sem		
1	MTCE-102A	Construction Planning & Control	3	-	-	3	40	60	3	3
2	MTCE-104 A	Design of High Rise Structures	3	-	-	3	40	60	3	3
3	*	Program Elective-III	3	-	-	3	40	60	3	3
4	**	Program Elective-IV	3	-	-	3	40	60	3	3
5	MTCE-122 A	Traffic Lab		-	2	2	40	60	2	3
6	MTCE- 124 A	Structural Design Lab	-	-	2	2	40	60	2	3
7	MTCE- 126 A	Mini Project	-	-	4	2	40	60	2	3
8	***	Audit Course-II	2			0	100		0	3
TOTAL			14		8	18	380	420	18	
							800			

*Program Elective – III		**Program Elective – IV	
MTCE-106 A	Bridge Engineering	MTCE-114A	WATER RESOURCES PLANNING AND SYSTEMS ENGINEERING
MTCE-108A	Pavement, Construction, Maintenance & Management	MTCE-116A	DESIGN OF HYDRAULIC STRUCTURES
MTCE-110 A	Advanced Railway Engineering	MTCE-118A	Theory and Applications of Cement Composites
MTCE-112 A	Transportation Safety & Environment	MTCE-120A	Advanced Design of Foundations

*** Audit Course - II	
MTAD-102 A	Constitution of India
MTAD-104 A	Pedagogy Studies
MTAD-106 A	Stress Management by Yoga
MTAD-108 A	Personality Development through Life Enlightenment Skills.

Note: 1.The course of program elective will be offered at 1/3rd or 6 numbers of students (whichever is smaller) strength of the class.

2. ***Along with the credit course, a student may normally be permitted to take audit course, however for auditing a course; prior consent of the course coordinator of the course is required. These courses shall not be mentioned for any award/calculation of SGPA/CGPA in the DMC. A certificate of successful completion of the audit course will be issued by the Director/Head of institution.

SEMESTER-III

S. No.	Course Code	Subject	L	T	P	Total	Evaluation		Cr.	Duration of Exam (Hrs.)
							Mid Sem	End Sem		
1	*	Program Elective-V	3	-	-	3	40	60	3	3
2	**	Open Elective	3	-	-	3	40	60	3	3
3	MTCE-209 A	Dissertation Phase-I	-	-	20	20	100	-	10	3
		TOTAL	6		20	26	180	120	16	
							300			

*Program Elective –V	
MTCE-201 A	Traffic Engineering
MTCE-203 A	Modern Construction Materials
MTCE-205 A	Fracture Mechanics of Concrete Structures
MTCE-207 A	Disaster Mitigation and Management

**Open Elective		
1.	MTOE-201 A	Business Analytics
2.	MTOE-203 A	Industrial Safety
3.	MTOE-205 A	Operations Research
4.	MTOE-207 A	Cost Management of Engineering Projects
5.	MTOE-209 A	Composite Materials
6.	MTOE-211 A	Waste to Energy

SEMESTER-IV

S. No.	Course Code		L	T	P	Total	Evaluation		Cr.	Duration of Exam (Hrs.)
							Mid Sem	End Sem		
1	MTCE-202 A	Dissertation Phase-II	-	-	32	32	100	200	16	3
TOTAL							300	16		

Total Credits of all four semesters: 68

Note: 1.The course of program elective/ open elective will be offered at 1/3rd or 6 numbers of students (whichever is smaller) strength of the class.

Evaluation of Mid Sem.(40 Marks) for all the semesters:

- (a)Mid semester examination(s): Two Nos each of 10 marks=20 Marks
- (b)Attendance/ Regularity : 10 Marks
- (c) Teacher's Assessment / Quizzes/ Assignments etc.: 10 Marks

MTCE-101 A		Advanced Solid Mechanics					
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Solve simple problems of elasticity and plasticity understanding the basic concepts</i>						
CO2	<i>Apply numerical methods to solve continuum problems</i>						

Unit I

Introduction to Elasticity: Displacement, Strain and Stress Fields, Constitutive Relations, Cartesian Tensors and Equations of Elasticity.

Strain and Stress Field: Elementary Concept of Strain, Strain at a Point, Principal Strains and Principal Axes, Compatibility Conditions, Stress at a Point, Stress Components on an Arbitrary Plane, Differential Equations of Equilibrium, Hydrostatic and Deviatoric Components.

Unit II

Equations of Elasticity: Equations of Equilibrium, Stress- Strain relations, Strain Displacement and Compatibility Relations, Boundary Value Problems, Co-axiality of the Principal Directions.

Unit III

Two-Dimensional Problems of Elasticity: Plane Stress and Plane Strain Problems, Airy's stress Function, Two-Dimensional Problems in Polar Coordinates.

Torsion of Prismatic Bars: Saint Venant's Method, Prandtl's Membrane Analogy, Torsion of Rectangular Bar, Torsion of Thin Tubes

Unit IV

Plastic Deformation: Strain Hardening, Idealized Stress- Strain curve, Yield Criteria, vonMises Yield Criterion, Tresca Yield Criterion, Plastic Stress-Strain Relations, Principle of Normality and Plastic Potential, Isotropic Hardening.

References:

- 1) Theory of Elasticity, Timoshenko S. and Goodier J. N., McGraw Hill, 1961.
- 2) Elasticity, Sadd M.H., Elsevier, 2005.
- 3) Engineering Solid Mechanics, Ragab A.R., Bayoumi S.E., CRC Press, 1999.
- 4) Computational Elasticity, Ameen M., Narosa, 2005.
- 5) Solid Mechanics, Kazimi S. M. A., Tata McGraw Hill, 1994.
- 6) Advanced Mechanics of Solids, Srinath L.S., Tata McGraw Hill, 2000.

MTCE-103A	Concrete Technology						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Study Ingredients, different properties & Production process of Concrete.</i>						
CO2	<i>Design Mix to achieve the specified grade of concrete.</i>						
CO3	<i>Understand Non-destructive testing & Concrete deteriorations.</i>						
CO4	<i>Introduction to advancement in Concrete.</i>						

UNIT – I

Concrete as Pavement Material: Introduction. Preparation and grade of concrete.

Concrete Ingredients: Types of cement. Aggregates. Classification of aggregate. Properties of aggregate. Quality of mixing water. Admixtures.

UNIT – II

Properties of Concrete: Introduction, workability, stress strain characteristics of concrete, young's modulus of concrete, creep and shrinkage of concrete, permeability, durability of concrete, joints.

UNIT – III

Production of Concrete: Batching, mixing, transportation, compaction, vibration, curing, formwork removing. Ready mixed concrete.

Non-Destructive Testing of Concrete: Significance. Rebound hammer. Ultrasonic pulse velocity technique. Penetration technique. Pullout test. Cover meter. Core tests.

UNIT – IV

Deteriorations: Causes, deteriorations by water, surface wear, frost action, chemical Reaction, corrosion of reinforcement etc, preventive measures.

Advances in Concrete: Introduction to light weight concrete. High strength concrete. Prestressed concrete. Fibre reinforced concrete. Polymer concrete composites.

References:

- 1) M.L.Gambhir, "Concrete Technology" TMH Pub. N Delhi.
- 2) Shetty M.S. "Concrete Technology" S. Chand & Co. N Delhi.

MTCE-121A	SOIL Mechanics lab-1						
Lecture	Tutorial	Practical	Credit	End Semester Evaluation	Mid Semester Evaluation	Total	Time
0	0	2	2	60	40	100	3 Hrs.
Course Outcomes(CO)							

Syllabus Content:

List of Experiments:

1. Determination of Moisture Content and Specific gravity of soil
2. Grain Size Distribution Analysis and Hydrometer Analysis
3. Atterberg Limits (Liquid Limit, Plastic limit, Shrinkage limit)
4. Visual Classification Tests
5. Vibration test for relative density of sand
6. Standard and modified proctor compaction test
7. Falling head permeability test and Constant head permeability test Consolidation test

MTCE-123A	Advanced Concrete Lab						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
0	0	2	2	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Design high grade concrete and study the parameters affecting its performance</i>						
CO2	<i>Conduct Non Destructive Tests on existing concrete structures</i>						
CO3	<i>Apply engineering principles to understand behavior of structural/ elements</i>						

List of Experiments:

1. Study of stress-strain curve of high strength concrete, Correlation between cube strength, cylinder strength, split tensile strength and modulus of rupture.
2. Effect of cyclic loading on steel.
3. Non-Destructive testing of existing concrete members.
4. Behavior of Beams under flexure, Shear and Torsion.

References:

1. Properties of Concrete, Neville A. M., 5th Edition, Prentice Hall, 2012.
2. Concrete Technology, Shetty M.S., S. Chand and Co., 2006.

MTRM -111 A							
Research Methodology and IPR							
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
2	0	0	2	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Understand Research problem formulation</i>						
CO2	<i>Analyze research related information</i>						
CO3	<i>Follow research ethics</i>						
CO4	<i>Understand that today's world is controlled by Computer, Information Technology, but tomorrow world will be ruled by ideas, concept, and creativity.</i>						
CO5	<i>Understanding that when IPR would take such important place in growth of individuals & nation, it is needless to emphasis the need of information about Intellectual Property Right to be promoted among students in general & engineering in particular.</i>						
CO6	<i>Understand that IPR protection provides an incentive to inventors for further research work and investment in R & D, which leads to creation of new and better products, and in turn brings about, economic growth and social benefits.</i>						

Unit I

Meaning of research problem, Sources of research problem, Criteria Characteristics of a good research problem, Errors in selecting a research problem, Scope and objectives of research problem.

Approaches of investigation of solutions for research problem, data collection, analysis, interpretation, Necessary instrumentations

Unit II

Effective literature studies approaches, analysis Plagiarism, and Research ethics.

Effective technical writing, how to write report paper,

Developing a Research Proposal, Format of research proposal, a presentation and assessment by a review committee

Unit III

Nature of Intellectual Property: Patents, Designs, Trade and Copyright. Process of Patenting and Development: technological research, innovation, patenting, development. International Scenario: International cooperation on Intellectual Property. Procedure for grants of patents, Patenting under PCT.

Unit IV

Patent Rights: Scope of Patent Rights. Licensing and transfer of technology. Patent information and databases. Geographical Indications

New Developments in IPR: Administration of Patent System. New developments in IPR; IPR of Biological Systems, Computer Software etc. Traditional knowledge Case Studies, IPR and IITs.

References:

1. Stuart Melville and Wayne Goddard, "Research methodology: an introduction for science & engineering students".
2. Wayne Goddard and Stuart Melville, "Research Methodology: An Introduction"
3. Ranjit Kumar, 2nd Edition, "Research Methodology: A Step by Step Guide for beginners"
4. Halbert, "Resisting Intellectual Property", Taylor & Francis Ltd ,2007.
5. Mayall , "Industrial Design", McGraw Hill, 1992.
6. Niebel , "Product Design", McGraw Hill, 1974
7. Asimov , "Introduction to Design", Prentice Hall, 1962.
8. Robert P. Merges, Peter S. Menell, Mark A. Lemley, "Intellectual Property in New Technological Age", 2016.
9. T. Ramappa, "Intellectual Property Rights Under WTO", S. Chand

MTCE-102 A	Construction Planning & Control						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.

Course Content

Project Management: Basic forms of organization with emphasis on Project and matrix structures; project life cycle, planning for achieving time, cost, quality, project feasibility reports based on socio-techno-economic-environmental impact analysis, project clearance procedures and necessary documentation for major works like dams, multistoried structures, ports, tunnels, Qualities, role and responsibilities of project Manager, Role of Project Management Consultants, Web based project management.

Project Scheduling – Non-Networking Techniques: Gantt-Chart, Networking Techniques: Formulation and Applications of Critical Path Method (CPM) and Program Evaluation & Review Technique (PERT), Precedence Diagram Method (PDM), RPM (Repetitive Project Modeling) techniques. Linear Scheduling, LOB technique, Mass haul diagrams.

Project Control - Man-Material-Machinery-money optimization, scheduling, monitoring, updating. Resource Planning - Resource Constrained Scheduling, Resource Levelling. Time-cost tradeoffs – Network crashing

Performance Measurement, Earned Value, Multiple Construction Projects, Real time Applications

References

1. Project Management for Engineering and Construction, GD. Oberlender, McGraw-Hill, 3rd Edition, 2014.
2. Construction Project Management, SK. Sears, GA. Sears, RH. Clough, John Wiley & Sons, 6th Edition, 2016.
3. Construction Project Scheduling, Callaghan, MT., Quackenbush, DG. and Rowings, JE., McGraw-Hill, 1992.
4. A Guide to the Project Management Body of Knowledge (PMBOK Guide) - Sixth Edition, An American National Standard, 2018.
5. Construction Project Scheduling and Control by Saleh Mubarak, 4th Edition, 2019.
6. Jerome D. Wiest and Ferdinand K. Levy, "A Management Guide to PERT/CPM", Prentice Hall of India Publishers Ltd., New Delhi, 2012.

MTCE-104A	Design of High Rise Structures						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Analyze, design and detail Transmission/TV tower, Mast and Trestles with different loading conditions</i>						
CO2	<i>Analyze, design and detail the RC and Steel Chimney</i>						
CO3	<i>Analyze, design and detail the tall buildings subjected to different loading conditions Using relevant codes</i>						

Unit 1

Design of transmission/ TV tower, Mast and trestles: Configuration, bracing system, analysis and design for vertical transverse and longitudinal loads.

Unit 2

Analysis and Design of RC and Steel Chimney, Foundation design for varied soil strata.

Unit 3

Tall Buildings: Structural Concept, Configurations, various systems, Wind and Seismic loads, Dynamic approach, structural design considerations and IS code provisions. Firefighting design provisions

Unit 4

Application of software in analysis and design.

References:

- 1) Structural Design of Multi-storeyed Buildings, Varyani U.H., 2nd Ed., South Asian Publishers, New Delhi, 2002
- 2) Structural Analysis and Design of Tall Buildings, Taranath B.S., McGraw Hill, 1988
- 3) Illustrated Design of Reinforced Concrete Buildings (GF+3 storeyed), Shah V. L. & Karve S. R., Structures Publications, Pune, 2013
- 4) Design of Multi Storeyed Buildings, Vol. 1 & 2, CPWD Publications, 1976
- 5) Tall Building Structures, Smith Byran S. and Coull Alex, Wiley India, 1991
- 6) High Rise Building Structures, Wolfgang Schueller, Wiley., 1971
- 7) Tall Chimneys, Manohar S. N., Tata McGraw Hill Publishing Company, New Delhi

MTCE-122 A	Traffic Lab						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
0	0	2	2	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Study Traffic Volume & speed using Videography technique.</i>						
CO2	<i>Speed study by different methods</i>						
CO3	<i>Determine reaction time & Bitumen content</i>						
CO4	<i>Study parking, accident investigation & accident prone location.</i>						

- 1) Traffic volume study using video graphy technique.
- 2) Traffic speed study using video graphy technique.
- 3) Speed study by radar gun
- 4) Speed study by endoscope
- 5) Determination of reaction time of driver
- 6) Parking study
- 7) Accident investigation study
- 8) Study for improvement of an accident prone location
- 9) Bitumen content determination through centrifuge extrude
- 10) Proportioning of aggregate

MTCE-124A	Structural Design Lab						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
0	0	2	2	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Design and Detail all the Structural Components of Frame Buildings.</i>						
CO2	<i>Design and Detail complete Multi-Storey Frame Buildings</i>						

Syllabus Content:

Design and detailed drawing of complete G+3 structures by individual student using latest relevant IS codes.

MTCE-126 A	Mini Project						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
0	0	4	2	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Identify structural engineering problems reviewing available literature</i>						
CO2	<i>Study different techniques used to analyze complex structural systems.</i>						
CO3	<i>Work on the solutions given and present solution by using his/her technique applying engineering principles.</i>						

Syllabus Content:

Mini Project will have mid semester presentation and end semester presentation. Mid semester presentation will include identification of the problem based on the literature review on the topic referring to latest literature available. End semester presentation should be done along with the report on identification of topic for the work and the methodology adopted involving scientific research, collection and analysis of data, determining solutions highlighting individuals' contribution.

Continuous assessment of Mini Project at Mid Semester and End Semester will be monitored by the departmental committee.

Program Elective –I

MTCE-105 A	Environmental Ethics And Legislation						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.

Course Learning Objectives

1. To deliberate the issues of environmental ethics and legislation.
2. To deliberate the role of judiciary in sustainable development
3. To impart knowledge on the policies, legislations, institutional frame work and enforcement mechanisms for environmental management in India
4. To learn the legal aspects of environmental problems

Course Content

Environmental Ethics- Need, Issues and Possible Solutions. Constitutional Provisions and Environment Protection in India – National Environmental policies – Sustainable development and role of Indian Judiciary in promoting it with special reference to Precautionary Principle and Polluter Pays Principle – Concept of absolute liability – Forms of legislation / regulations - multilateral environmental agreements, conventions and protocols.

Acts related to environmental protection – Water (P&CP) Act 1974, Air (P&CP) Act 1981, Environment (Protection) Act 1986 - Relevant provisions of Forest (Conservation) Act 1982, Wild Life (Protection) Act 1972 ;

Issues involved in enforcement of Environmental Legislation. Public interest litigation – writ petitions - Supreme Court Judgments in landmark cases – Indian Council for Enviro-legal Action v. UOI AIR 1996 SC 1446, MC Mehta v. Union of India (Oleum gas leak case) AIR 1987 SC 1086, MC Mehta v. UOI (Kanpur Tanneries case), Indian Handicraft Emporium v. UOI (2003) 7 SCC 589.

Books:

1. Divan S. and Roseneranz A.: Environmental law and policy in India – Cases, Material & Statements, Oxford University Press, New Delhi, 2001.
2. CPCB: Pollution Control Acts, Rules and Notifications issued the re under Pollution Control Series, Central Pollution Control Board, N. Delhi.
3. Diwan P. : Environmental administration–law and judicial attitude Vols. I & II, Vedamse Books (P) Ltd, N. Delhi, 1992.
4. Jaswal P.S. and Nistha: Introduction to Environmental Law, Allahabad Law Agency, Allahabad, 2017

Program Elective –I

MTCE-107 A							
Life Cycle Analysis And Design For Environment							
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.

Course Outcomes: At the end of the course the student will be able to:

CO1	Perform life cycle inventory analysis of products.
CO2	Develop strategit to bring energy efficiency in all stages of the product development cycle.
CO3	Formulate plans for comprehensive environmental protection, in order to comply with environmental laws.

Detailed Syllabus:

Engineering Products and Processes: Environmental health and safety, Product life cycle stages, material toxicity, pollution and degradation, environmentally conscious design and manufacturing approaches, Sustainable development and industrial ecology, System life cycle from cradle to reincarnation, Product life extension, Organizational issues. Pollution prevention practices, Manufacturing process selection and trade-offs. Design for environment: Motivation, concerns, definitions, examples, guidelines, methods and tools.

Recyclability assessments, design for recycling practices. Re-manufacturability assessments, design for remanufacture/ Reuse practices.

Industrial ecology and eco-industrial parks, eco labels and life cycle analysis (LCA): LCA methodology, steps, tool sand problems, Life cycle accounting and costing.

ISO14000 Environmental Management Standards, New Business paradigms and associated design practices.

Readings:

1. Ciambone, D.F., Environmental Life Cycle Analysis, CRC Press, 1997
2. Handbook on Life Cycle Assessment: Operational guide to the ISO standards, Kluwer Academic Publishers, 2004

Program Elective –I

MTCE-109 A	Water Quality Management						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.

Pre-requisites: NONE

Course Outcomes: Attend of the course the student will be able to:

CO1	Meaning of important parameters for measuring water quality, water quality criteria and standards, and their relation to public health, environment and urban water cycle.
CO2	Water quality test sand to determine how the parameters related to each other.
CO3	Principles and the practical approaches and techniques required to effectively monitor the chemical, hydrological, microbiological and aquatic elements of water quality.
CO4	Water quality test sand to determine how the parameters relate to each other.

Detailed syllabus:

Introduction: Quality parameter and classification of natural water, Physico-Chemical and biological water quality classification of aquatic systems. Sources of pollution: characteristics of point and non-point sources of pollution. Eutrophication in natural water bodies: causes processes and control Toxic wastes: Sources, transportation and management strategies.

Thermal pollution: causes model and control.

Acid rains: Occurrences, impact sand strategies for control

Water quality monitoring: Objectives, requirements, planning and various techniques.

Case studies related to water quality monitoring under various river action plans including Ganga and Yamuna Action plans.

Readings:

1. Reckho wand Chapra (1983) Engineering Approaches for Lake Management, Vol.1, Butterworth, Boston.
2. Thomson and Mueller(1987)Principles of Surface Water Quality Modelling and Control, Harper and Row, NY.
3. Tchobanoglous and Schroeder (1987) Water Quality: characteristics, Modelling and modification, Addition – Wesley Pub. Co., USA
4. APHA(1998)StandardMethodsforExaminationofWaterandWastewater,20thEdition,Washington,D.C.
5. Velz,C.J.(1970) Applied Stream Sanitation, Wiley Interscience, NY.

Program Elective –I

MTCE-111 A							
Waste Water And Treatment Processes							
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.

Pre-requisites: NONE

Course Outcomes: At the end of the course the student will be able to:

CO1	Analyze water quality
CO2	Epidemiological and toxic aspects
CO3	Design conventional water treatment systems
CO4	Design treatment systems for removal of dissolved solids
CO5	Analyze and design water distribution systems

Detailed Syllabus:

Structure and basic properties of water and their significance in environmental engineering. Source of water impurities; Water quality parameters; Epidemiological and toxic aspects; physical and chemical interactions due to various forces; Suspension and dispersions; Surface and colloidal chemistry; Settling of particles in water, Coagulation and flocculation, floatation, filtration mechanisms and interpretations, ion exchange and adsorption, Chemical Oxidation/reduction processes; Disinfection using chlorine, UV, ozonation. Water stabilization, aeration and gas transfer. Reverse osmosis, electro dialysis and desalination; treatment and sludge management.

Readings:

1. Howard S. Peavy, Donald R. Rowe and George Tchobanoglous, Environmental Engineering, McGraw Hill, 1984
2. Viessman Jr, Hammer J.M, Perez, E.M, and Chadik, P.A, Water Supply and Pollution Control, PHI Learning, New Delhi, 2009
3. M. Hanif Chaudhary, Applied Hydraulic Transients, 3rd Ed., Springer., 2014

Program Elective -II

MTCE-113 A	Advanced Soil Mechanics						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.

Teaching Scheme

Lectures:3 hrs./Week

COURSEOUTCOME

- The students obtain the complete knowledge on strength of soil mass
- The students are able to develop mathematical models for solving different problems in soil mechanics

Syllabus Contents:

Unit I

Compressibility of soils: consolidation theory (one two, and three dimensional consolidation theories), consolidation in layered soil and consolidation for time dependent loading, determination of coefficient of consolidation (Casagrande method and Taylors method)

Unit II

Strength behavior of soils; Mohr Circle of Stress; UU, CU, CD tests, drained and undrained behavior of sand and clay, significance of pore pressure parameters; determination of shear strength of soil; Interpretation of triaxial test results.

Unit III

Stress path; Drained and undrained stress path; Stress path with respect to different initial state of the soil; Stress path for different practical situations.

Unit IV

Critical state soil mechanics; Critical state parameters; Critical state for normally consolidated and over consolidated soil; Significance of Roscoe and Hvorslev state boundary surface; drained and undrained plane. Critical void ratio; effect of dilation in sands; different dilation models.

Elastic and plastic deformations: elastic wall; introduction to yielding and hardening; yield curve and yield surface, associated and non-associated flow rule.

References:

- Atkinson, J.H. and Bransby, P.L., The Mechanics of Soils: An introduction to Critical soil mechanics, McGraw Hill, 1978.
- Atkinson J.H, An introduction to the Mechanics of soil sand Foundation, McGraw-Hill Co.,1993. Das, B.M., Advanced Soil Mechanics, Taylor and Francis, 2nd Edition, 1997.
- Wood, D.M., Soil Behavior and Critical State Soil Mechanics, Cambridge University Press, 1990. Craig, R.F., Soil Mechanics, Van No strand Reinhold Co. Ltd., 1987.
- Terzaghi, K., and Peck, R.B., Soil Mechanics in Engineering Practice, John Wiley & Sons, 1967. Lambe, T.W. and Whitman, R.V., Soil Mechanics, John Wiley & Sons, 1979.

Program Elective -II

MTCE-115 A	Advanced Foundation Engineering						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.

Teaching Scheme

Lectures: 3hrs/week

COURSEOUTCOME

- The students will be able to decide the type of foundations to be recommended for construction of different engineering structures
- The students will be able to design different types of foundations

Syllabus Contents:

Unit I

Planning of soil exploration for different projects, methods of subsurface exploration, methods of borings along with various penetration tests

Unit II

Shallow foundations requirements for satisfactory performance of foundations, methods of estimating bearing capacity, settlements of footing sand rafts, proportioning of foundations using field test data ,IS codes.

Well foundation, IS and IRC codal provisions, elastic theory and ultimate resistance methods

Unit III

Pile foundations, methods of estimating load transfer of piles, settlements of pile foundations, pile group capacity and settlement, negative skin friction of piles, laterally loaded piles, pile load tests, analytical estimation of load-settlement behavior of piles, proportioning of pile foundations, and lateral land uplift capacity of piles

Unit IV

Foundations on problematic soils: Foundations for collapsible and expansive soil

Cofferdams, various types, analysis and design Foundations under uplifting loads

References:

- Bowles. J.E., Foundation Analysis and Design, Tata McGraw-Hill International Edition, 5th Edn, 1997.
- Das B.M., Shallow Foundations: Bearing capacity and settlement, CRC Press, 1999.
- Tomlinson M.J., Pile design and construction Practice, Chapman and Hall Publication, 1994.
- Poulos, H.G. and Davis, F.H., "Pile Foundation An analysis and Design", Wiley and Sons. 1980

Program Elective -II

MTCE-117A	Ground Improvement Technique						
Lecture	Tutorial	Practical	Credit	End Sem	Mid Sem	Total	Time
3	0	0	3	60	40	100	3Hrs.

Unit I

Introduction: situations where ground improvement becomes necessary

Unit II

Mechanical modification: dynamic compaction, impact loading, compaction by blasting, vibro-compaction; pre-compression, stone columns; Hydraulic modification: dewatering systems, preloading and vertical drains, electro-kinetic dewatering

Unit III

Chemical modification; modification by admixtures, stabilization using industrial wastes, grouting
Thermal modification :ground freezing and thawing.

Unit VI

Soil reinforcement: Reinforced earth, basic mechanism, type of reinforcements, selection of stabilization/improvement of ground using Geotextiles, Geogrid, Geomembranes, Geocells, Geonets, and soil nails.

Application of soil reinforcement: shallow foundations on reinforced earth ,design of reinforced earth retaining walls, reinforced earth embankments structures, wall with reinforced backfill, analysis and design of shallow foundations on reinforced earth, road designs with geo synthetics

References:

- Hausmann, M.R., Engineering Principles of Ground Modification, McGraw-Hill International Editions,1990.
- Yonekura,R.,Terashi,M.andShibazaki,M.(Eds.),GroutingandDeepMixing,A.A. Balkema,1966.
- Moseley,M.P.,GroundImprovement,BlackieAcademic&Professional,1993.
- Xanthakos,P.P.,Abramson,L.W.andBruce,D.A.,GroundControlandImprovement,John Wiley & Sons, 1994.
- Koerner,R.M.,DesigningwithGeosynthetics,PrenticeHallInc.1998.
- Shukla,S.K.,Yin,Jian-Hua,“FundamentalsofGeosyntheticEngineering”,Taylor&Francis.

Program Elective -II

MTCE-119A	PAVEMENT ANALYSIS AND DESIGN						
Lecture	Tutorial	Practical	Credit	End Sem	Mid Sem	Total	Time
3	0	0	3	60	40	100	3Hrs.

Unit I

Philosophy of design of flexible and rigid pavements, **Analysis** of pavements using different analytical methods,

Unit II

Selection of pavement designing put parameters–traffic loading and volume

Unit III

Material characterization, drainage, failure criteria , reliability

Unit IV

Design of flexible and rigid pavements using different methods,

Comparison of different pavement design approaches, design of overlays and drainage system.

References:

- Yang and H.Huang, Pavement Analysis and Design, Pearson Prentice Hall,2004.
- Yoder and Witzech, Pavement Design, Mc Graw-Hill, 1982.
- Sharma and Sharma, Principle sand Practice of Highway Engg. , Asia Publishing House,1980.
- Teng,Functional Designing of Pavements,McGraw-Hill,1980.

Program Elective -III

MTCE-106 A	Bridge Engineering						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Study different types of Bridge & loading as per IRC & IRS specifications</i>						
CO2	<i>Design RC & steel bridges by specifications & standards</i>						
CO3	<i>Study different types of bearing used in Bridges with their functions.</i>						

UNIT - I

Types of Bridges: Consideration of loads and stresses in bridges, bridge loading as per IRC and IRS specifications, traffic lanes, footway, kerbs, railing and parapet loading, impact, wind load, longitudinal forces, temp effects, secondary stresses, erection stresses, earth pressure, effect of live load on back fill and on the abutment.

UNIT – II

Design of RC Bridges: Slab culvert, box culvert, pipe culvert, T-beam bridge, super structure, design examples, brief introduction to rigid frame, arch and bow string girder bridges. Design of pre-stressed concrete bridges, pre-tensioned and post tensioned concrete bridges, analysis and design of multi-lane prestressed concrete T-beam bridge super structure.

UNIT – III

Steel Bridges: Types, economical span, loads, permissible stresses, fluctuation of stresses, secondary stresses, plate girder bridges, general arrangement, bridge floors, plate girder railway bridges, deck type plate girder bridges, design example. Truss bridges, types, wind force on lattice girder bridge, bracings, truss bridge for railway – through type truss bridge. Pier, abutment and wing walls, types of piers, forces on piers, stability, abutments, bridge code provisions for abutments, wing walls, design examples.

UNIT – IV

Bearings: Functions, bearings for steel and concrete bridges, bearings for continuous span bridges, IRC provisions for bearings, fixed bearings, expansion bearings, materials and specifications, permissible stresses, design considerations for rocker and roller cum rocker bearings, sliding bearings. Foundations, types, general design criterion, design of well and pile foundations for piers and abutments.

References:

- 1) Victor DJ, Essentials of Bridge Engineering, Oxford & IBH Pubb Co.
- 2) Rowe RE, Concrete ridge Design

Program Elective -III

MTCE-108 A	Pavement Construction, Maintenance & Management						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Study the construction procedure of different types of Bituminous, Non-Bituminous & cement concrete Pavements</i>						
CO2	<i>Study the Maintenance techniques for different types of Pavements.</i>						

UNIT – I

Introduction: History of road construction, stages of construction, seasonal limitations of pavement construction.

Stabilization of Soil: Mechanical stabilization, cementing additives and chemicals, thermal stabilization.

UNIT – II

Construction of Non-bituminous Pavements: Brief introduction to earthwork machinery: shovel, hoe, clamshell, dragline, bulldozers, cleaning and grubbing, excavation for road and drain, principles of field compaction of embankment / sub grade. Compacting equipments. Granular roads. Construction steps of GSB, WBM and WMM.

Construction of Bituminous Pavements: Various types of bituminous constructions. Prime coat, tack coat, seal coat and surface dressing. Construction of busg, premix carpet, BM, DBM and AC. Brief coverage of machinery for construction of bituminous roads: bitumen boiler, sprayer, pressure distributor, hot-mix plant, cold-mix plant, tipper trucks, mechanical paver or finisher, rollers. Mastic asphalt. Introduction to various IRC and MORTH specifications.

UNIT – III

Construction of Cement Concrete Roads: Construction of cement concrete pavements, machinery involved in construction, slip-form pavers, joints in cement concrete pavements, IRC and MORTH specifications. Construction of other types of pavements: basic concepts of the following: soil stabilized roads, use of geo-synthetics, reinforced cement concrete pavements, prestress concrete pavements, roller compacted concrete pavements and fiber reinforced concrete pavements. Use of fly ash in cement concrete road construction.

UNIT – IV

Highway Maintenance: Pavement distresses, Maintenance operations, Maintenance of WBM, bituminous surfaces and cement concrete pavements. Functional and structural evaluation of pavements, pavement maintenance, maintenance management

Related Topics: Emulsified bituminous mix, pre coating of aggregates, recycling of bituminous pavements, shoulder construction.

References:

- 1) Principles of Transportation Engineering by Chakroborty & Das, Prentice Hall, India.
- 2) Highway Engg. By S.K.Khanna & C.E.G. Justo, New Chand Bros., Roorkee.

Program Elective -III

MTCE-110 A	Advanced Railway Engineering						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Study Railway Track Components</i>						
CO2	<i>Understand important terms related to Railway Curves, Control System & Rehabilitation.</i>						

UNIT - I

Railway Track: Track and track stresses. Train resistances and hauling power of locomotives. Railway track components.

UNIT - II

Point & Crossings: Important features. Railway curves. Super elevation, gradients and grade compensation. Points and crossing and their design approaches.

UNIT-III

Maintenance, Control System: Construction and maintenance of railway track. Control of train movements. Signals and interlocking,

UNIT-IV

Railway Rehabilitation: Modernization of railways and future trends. Track standards and track rehabilitation. Essential Reading.

References:

- 1) J.S. Mundrey, Railway Track Engineering, Tata McGraw Hill Co. Ltd., 3rd Edition, 2000.
 - 2) M.M. Agarwal, Railway Track Engineering, Standard Publishers, 1st Ed 2005.
- Supplementary Reading.
- 3) S. Chandra and Agarwal, Railway Engineering, Oxford University Press, 1st Ed. Feb 2008.
 - 4) A.D. Kerr, Fundamentals of Railway Track Engineering, Simmons Boardman Pub Co (December 30, 2003)

Program Elective -III

MTCE-112 A	Transportation Safety & Environment						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Analyze the Road Accidents & the safety measures to reduce accidents</i>						
CO2	<i>Role of different organisation for Road safety.</i>						

UNIT – I

Road Accidents & safety measures: Trends in roads and highways development. Problem of road accidents in India. Characteristics of road accidents. Causes of accidents. Global and Indian road safety scenario. Factors responsible for success stories in road safety. Role of highway professionals in highway safety.

UNIT – II

Various Aspects for traffic safety: Planning of roads for safety. Land use planning and zoning. Development control and encroachment. Network hierarchy. Route planning through communities. Access control. Traffic segregation. Traffic calming designing for safety: road link design, alignment design. Cross-sectional elements. Traffic control devices. Road side safety. Road side facilities. Some critical elements. Junction design Basic principles. Selection of junction type. Factors affecting safety at various junction types. Elements to improve road safety. Provisions for vulnerable road users.

UNIT – III

Road safety audit: Concepts of road safety audit, Road safety auditors & key personnel in RSA. Organizing and conducting a road safety audit. Example and commonly identified. Issues during RSA, Road safety audit report. Development of cost-effective of road safety audit accident investigation and prevention. Basic strategies for accident reduction. Significance of accident data. Accident investigation and identification of potential sites for treatment. Problem diagnosis. Selection of countermeasures. Example of selection of counter measures. Detailed design and implementation of countermeasures.

UNIT – IV

Road safety Evaluation: Monitoring and evaluation non-engineering measures for road safety, behavioral counter measures, education. Training and publicity. The goal of police traffic control activities. Strategy for road safety management by police. Role of NGOs in road safety. Legal framework for road safety transport related pollution, noise pollution, air pollution, effects of weather conditions, vehicular emission parameters, pollution standards. EIA requirements of highway projects, world bank guidelines, EIA practices in India. Fuel crisis and transportation, factors affecting fuel consumption, fuel economy in various modes of transportation, various types of alternative fuels.

References:

- 1) Traffic Engg. And Transport Planning by L.R.Kadiyali, Khanna Publishers, Delhi.
- 2) Highway Engg. By S.K.Khanna& C.E.G. Justo, New Chand Bros., Roorkee.

Program Elective –IV

Water Resources Planning And Systems Engineering								
MTCE-114 A	Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
	3	0	0	3	60	40	100	3 Hrs.

INTRODUCTION: Planning, Meaning and Significance. Need for water resources systems planning, Issues in planning. Planning process.

PLANNING FOR WATER RESOURCES DEVELOPMENT: Statement of objectives. Data requirements. Project formulation. Environmental considerations in planning, Systems analysis. Pitfalls in project planning. Conservation and augmentation of water resources. Multipurpose projects. Functional requirements in multi-purpose project. Compatibility of multipurpose uses.

ECONOMIC ANALYSIS: Equivalence of kind. Equivalence of time, Value. Cost. Benefit. Discounting factors, Discounting techniques. Measurement of cost and benefit. Benefit-cost analysis. Project evaluation, Benefit-cost variation. Limitations of benefit-cost analysis. Dynamic of project analysis.

FINANCIAL ANALYSIS: Role of financial analysis. Distinctions from economic analysis. Financial feasibility, Separable and non-separable costs. Cost allocation, allocation consequences. Water resources pricing.

WATER RESOURCES SYSTEMS: Concepts of systems engineering in water resources. Objective function, Production function and optimality conditions. Linear, non-linear and dynamic programming, Sensitivity analysis, Stochastic models, Statistical decision theory. Application of water resources systems engineering to practical problems.

BOOKSRECOMMENDED:

1. Water Resources Engineering by R.K.Liniley and Franzini,McGraw-HillBookCo.
2. Water Resources Systems Engineering by Halland Dracup, Mc Graw Hill BookCo.
3. Economics of Water Resources Engineering by L. Douglas James. and Robert R. Lee McGraw Hill Book Co.
4. Design of Water Resources Systems by Arther Mass et. Al, Harward Univ. Press Cambridge. 1967
5. Optimization Theory and Applications by S.S.Rao, Willy East Ltd.

Program Elective –IV

Design of Hydraulic Structures								
MTCE-116 A	Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
	3	0	0	3	60	40	100	3 Hrs.

GRAVITY DAMS: Darn parameters, Criteria for selection of dam sites, seals, Joints & keys of loads, Cooling arrangement, Water stops at joints, Closing gaps, forces acting on darns, Types of loads, Modes of failure, Elementary profile of a gravity dam, Step by step method, Stability analysis methods, Safety criteria, Gravity analysis, Galleries.

ARCH DAMS: Development of arch dam, Valleys suited for arch darns, Arch darns layout, Types of arch dams, Appurtenant works, Thin cylinder theory and most economical central angle, Design of arch dam, Effects of foundation elasticity on the behaviors of an arch dam.

BUTTRESS DAMS: Types of buttress darn, Selection of type of buttress dam, Most economical profile having no tension, Design principles, Buttress design by Unit column theory.

SPILLWAYS AND ENERGY DISSIPATORS : Factors affecting design, Components and profile of different types of spillways, Design principles, Non-conventional types of spillways, Hydraulic design ogee spillway, Side channel spillway, Chute spillway, Siphon spillway, Shaft- spillway, Energy dissipation below spillways, Bucket type energy dissipaters, Selection and design of various types of stilling basins.

WEIRS AND BARRAGES: Components of diversion head works and their functions, Design of weirs & barrages on permeable foundation, Khosla theory of independent variable, Schwarz Christoffel transformation, Upstream and downstream protection, Flow nets, Design of sloping glacis weir.

BOOKS RECOMMENDED:

1. Engineering for Dams by Creager, J ustin & Hinds, Willey Eastern Pvt.Ltd., Delhi
2. Concrete Dams by R.S.Varshney, Oxford & IBHPub. Co. Delhi.
3. Dams-Part I Gravity Dams by K.B. Khushalani, Oxford & M N, Delhi.
4. Design of Weirs on Permeable Foundations, CBIP Pub.No20, Delhi
5. Hydraulic Design of Spillways, ASCE Technical Engg. No. 12, Design guides as adapted from the US Army Corps.
6. Hydraulic Structures; P.Novak, AIBM off at, C.Nalluri, and R.Narayanan: Taylor & Francis, New York

Program Elective -IV

MTCE-118 A	Theory and Applications of Cement Composites						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Formulate constitutive behaviour of composite materials – Ferrocement, SIFCON and Fibre Reinforced Concrete - by understanding their strain- stress behaviour.</i>						
CO2	<i>Classify the materials as per orthotropic and anisotropic behaviour.</i>						
CO3	<i>Estimate strain constants using theories applicable to composite materials.</i>						
CO4	<i>Analyse and design structural elements made of cement composites.</i>						

Unit 1

Introduction: Classification and Characteristics of Composite Materials- Basic Terminology, Advantages. Stress-Strain Relations- Orthotropic and Anisotropic Materials, Engineering Constants for Orthotropic Materials, Restrictions on Elastic Constants, Plane Stress Problem, Biaxial Strength, Theories for an Orthotropic Lamina.

Unit 2

Mechanical Behaviour: Mechanics of Materials Approach to Stiffness- Determination of Relations between Elastic Constants, Elasticity Approach to Stiffness- Bounding Techniques of Elasticity, Exact Solutions - Elasticity Solutions with Continuity, Halpin, Tsai Equations, Comparison of approaches to Stiffness

Unit 3

Cement Composites: Types of Cement Composites, Terminology, Constituent Materials and their Properties, Construction Techniques for Fibre Reinforced Concrete - Ferrocement, SIFCON, Polymer Concretes, Preparation of Reinforcement, Casting and Curing

Unit 4

Mechanical Properties of Cement Composites : Behavior of Ferrocement, Fiber Reinforced Concrete in Tension, Compression, Flexure, Shear, Fatigue and Impact, Durability and Corrosion

Unit 5

Application of Cement Composites: FRC and Ferrocement- Housing, Water Storage, Boats and Miscellaneous Structures. Composite Materials- Orthotropic and Anisotropic behaviour, Constitutive relationship, Elastic Constants

Unit 6

Analysis and Design of Cement Composite Structural Elements - Ferrocement, SIFCON and Fibre Reinforced Concrete.

References:

- 1) Mechanics of Composite Materials, Jones R. M., 2nd Ed., Taylor and Francis ,BSP Books, 1998. Ferrocement – Theory and Applications, Pama R. P., IFIC, 1980
- 2) New Concrete Materials, Swamy R.N., 1stEd., Blackie, Academic and Professional, Chapman & Hall, 1983

Program Elective -IV

Advanced Design of Foundations								
MTCE-120A	Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
	3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)								
CO1	Decide the suitability of soil strata for different projects							
CO2	Design shallow foundations deciding the bearing capacity of soil							
CO3	Analyze and design the pile foundation							
CO4	Understand analysis methods for well foundation							

Unit-I

Planning of Soil Exploration for Different Projects, Methods of Subsurface Exploration, Methods of Borings along with Various Penetration Tests

Unit-II

Shallow Foundations, Requirements for Satisfactory Performance of Foundations, Methods of Estimating Bearing Capacity, Settlements of Footings and Rafts, Proportioning of Foundations using Field Test Data, Pressure - Settlement Characteristics from Constitutive Laws

Unit-III

Pile Foundations, Methods of Estimating Load Transfer of Piles, Settlements of Pile Foundations, Pile Group Capacity and Settlement, Laterally Loaded Piles, Pile Load Tests, Analytical Estimation of Load- Settlement Behavior of Piles, Proportioning of Pile Foundations, Lateral and Uplift Capacity of Piles

Unit-IV

Well Foundation, IS and IRC Code Provisions, Elastic Theory and Ultimate Resistance Methods

Unit-V

Tunnels and Arching in Soils, Pressure Computations around Tunnels

Unit-VI

Open Cuts, Sheet piling and Bracing Systems in Shallow and Deep Open Cuts in Different Soil Types

Unit-VII

Coffer Dams, Various Types, Analysis and Design, Foundations under uplifting loads, Soil-structure interaction

Reference Books

- 1) Design of foundation system, N.P. Kurian, Narosa Publishing House
- 2) Foundation Analysis and Design, J.E. Bowles, Tata Mc Graw Hill New York
- 3) Analysis and Design of Substructures, Sawmi Saran, Oxford and IBH Publishing Co.Pvt. Ltd, New Delhi

Program Elective –V

MTCE-201A	Traffic Engineering						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.

Course Outcomes

CO1	Apply the Concept for determine the different Trip Generation Models and various model in Urban Transport Planning.
CO2	Apply the concept of Mean, Mode and variance for determining the speed, flow and density.
CO3	Identify model computed are good or not applicable for existing Urban planning condition.

Syllabus

Traffic Characteristics: Importance of traffic characteristics. Road user characteristics. Vehicular characteristics. Max dimensions and weights of vehicles allowed in India. Effects of traffic characteristics on various design elements of the road. **Traffic Studies:** Traffic volume study, speed study and origin and destination study. Speed and delay study. Use of photographic techniques in traffic surveys.

Traffic Accidents: Accident surveys. Causes of road accidents and preventive measures.

Capacity and Level of Service: Fundamental diagram of traffic flow. Relationship between speed, volume and density. Level of service. PCU. Design service volume. Capacity of non-urban roads. IRC recommendations. Brief review of capacity of urban roads.

Traffic Regulation and control Devices: Traffic control devices: signs, signals, markings and islands. Types of signs, Types of signals. Design of signals. Intersections at grade and grade separated intersections. Design of a rotary. Types of grade separated intersections.

Design of Parking Lighting and Terminal Facilities : Parking surveys. On street parking, off street parking.

Traffic Regulation: Need and scope of traffic regulations. Regulation of speed, vehicles and drivers. General traffic regulations. Motor vehicle act. Scope of traffic management.

Books Recommended

- (i) Principles of Transportation Engineering by Chakroborty & Das, Prentice Hall, India.
- (ii) Highway Engg by S.K. Khanna & C.E.G. Justo, Nem Chand Bros., Roorkee.
- (iii) Traffic Engg and Transport Planning by L.R. Kadiyali, Khanna Publishers, Delhi.
- (iv) Principles of Transportation and Highway Engineering by G.V. Rao, Tata McGraw-Hill Publishing Co. Ltd. N. Delhi.
- (v) Traffic Engg. by Matson, T.M., Smith, W.S. and Hurd, F.W, McGraw-Hill Book Co., New York.
- (vi) Traffic Flow Theory. By Drew, D.R., McGraw-Hill Book Co., New York.
- (vii) Basic Statistics- Simpson and Kafks; Oxford and IBH Calcutta, 1969.
- (viii) Fundamentals of Mathematical Statistics– Gupta, S. Cand Kapoor, K.V. Sultanchand.

Program Elective –V

MTCE-203A	Modern Construction Materials						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.

Course Content

Aggregates: Introduction, Historical back ground of Light weight aggregate concrete, Artificial aggregates, Physical properties of aggregates, Light weight aggregate concrete, Applications of light weight aggregate concrete, Properties of green light weight aggregate concrete, Effect of size aggregate on the strength properties of LWAC made with palm oil shells, Recycled aggregate, Pre placed aggregate concrete.

Fibers in Concrete: Types of Fibers - Glass fiber reinforced concrete, Natural fiber reinforced concrete, Polymer Fiber Reinforced Concrete, Steel Fiber reinforced Concrete. Behavior - Workability, Mechanical and Physical properties of Fiber in reinforced concrete.

Special Concretes: High strength concrete, Effect of RHA on the properties of HSC, High performance concrete –applications, Self-Compacting Concrete, Concrete made with waste rubber, Special Concretes, Sulfur Concrete, Ferro cement, Geo synthetics, Nano Concrete, Changes in concrete with respect to time.

Steel construction, Types of steel used for construction, Methods of utilizing steel in construction, Advantages and Applications of steel in construction

Advanced Materials: Adhesives in construction industry-Acrylics, Bridge bearings, Industrial waste materials in concrete Rapid wall panels, Moisture Barriers, Polymer foams and polymers in Building Physics. Polymer concrete composites.

Reference

1. Adam M Neville, Properties of Concrete, 5th Edition, Longman Sc and Tech Publishers, 2012.
2. Kumar Mehta. P and Paulo J M Monteiro, Concrete Microstructure, Properties and Materials, McGraw Hill, 4th Edition, 2013.

Program Elective -V

MTCE-205A	Fracture Mechanics of Concrete Structures						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Identify and classify cracking of concrete structures based on fracture mechanics</i>						
CO2	<i>Implement stress intensity factor for notched members</i>						
CO3	<i>Apply fracture mechanics models to high strength concrete and FRC structures</i>						
CO4	<i>Compute J-integral for various sections understanding the concepts of EFM</i>						

Unit I

Introduction: Basic Fracture Mechanics, Crack in a Structure, Mechanisms of Fracture and Crack Growth, Cleavage Fracture, Ductile Fracture, Fatigue Cracking, Environment assisted Cracking, Service Failure Analysis

Unit II

Stress at Crack Tip: Stress at Crack Tip, Linear Elastic Fracture Mechanics, Griffith's Criteria, Stress Intensity Factors, Crack Tip Plastic Zone, Erwin's Plastic Zone Correction, R curves, Compliance, J Integral, Concept of CTOD and CMD

Unit III

Material Models: General Concepts, Crack Models, Band Models, Models based on Continuum Damage Mechanics, Applications to High Strength Concrete, Fibre Reinforced Concrete, Crack Concepts and Numerical Modeling.

References:

- 1) Fracture Mechanics, Suri C.T. and Jin Z.H., 1st Edition, Elsevier Academic Press, 2012
- 2) Elementary Engineering Fracture Mechanics, Broek David, 3rd Rev. Ed. Springer, 1982.
- 3) Fracture Mechanics of Concrete Structures—Theory and Applications, Elfgreen L., RILEM Report, Chapman and Hall, 1989
- 4) Fracture Mechanics Application to Concrete, Victor, Li C., Bazant Z.P., ACISP 118, ACI Detroit, 1989

Program Elective –V

Disaster Mitigation and Management								
MTCE-207A	Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
	3	0	0	3	60	40	100	3 Hrs.

Course Content

Meaning and types of hazards, disasters and catastrophes – Disaster Management; Earthquakes: causes and effects – measurements - earthquake zones India – vulnerability and microzonation; - volcanic hazards;

Landslides: Causes and effects – landslide prone zones in India –Cyclone: Origin and types - effects on land and sea – damage assessment; Flooding: Tsunami –Soil Erosion-Drought: Characteristics- Occurrence – Preventive measures

Emerging approaches in Disaster Management- Pre- disaster stage (preparedness) - Preparing hazard zonation maps, Predictability/forecasting& warning- Preparing disaster preparedness plan- Land use zoning- Disaster resistant house construction- Population reduction in vulnerable areas- Awareness

Emergency Stage - Rescue training for search & operation at national & regional level- Immediate relief- Assessment surveys - Post Disaster stage-Rehabilitation- Political Administrative Aspect- Social Aspect-

Economic Aspect- Environmental Aspect

Mitigation - Role of Media - Monitoring Management- Preventive Measures- A regional survey of Land Subsidence, Coastal Disaster, Cyclonic Disaster& Disaster in Hills with particular reference to India -Ecological planning for sustainability & sustainable development in India-Sustainable rural development

Soft Solutions for Disaster Management - Case studies - Earthquake, volcano and landslide - Flood prone area analysis and management – risk assessment – cyclones and floods - Drought and desertification

References

1. National Disaster Management Division (2004) Disaster Management in India - A Status Report, Ministry of Home Affairs, Government of India, New Delhi.
2. UNDRO (1995) Guidelines for Hazard Evaluation Procedures, United Nations Disasters Relief Organization, Vienna.
3. Nagarajan, R., (2004) Landslide Disaster Assessment and Monitoring, Anmol Publications, New Delhi.
4. Ramkumar, Mu, (2009) Geological Hazards: Causes, Consequences and Methods of Containment, New India Publishing Agency, New Delhi.

Open Elective

MTOE-201 A	Business Analytics						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Program Objective (PO)							
PO1	<i>Understand the role of business analytics within an organization</i>						
PO2	<i>Analyze data using statistical and data mining techniques and understand relationships between the underlying business processes of an organization</i>						
PO3	<i>To gain an understanding of how managers use business analytics to formulate and solve business problems and to support managerial decision making</i>						
PO4	<i>To become familiar with processes needed to develop, report, and analyze business data</i>						
PO5	<i>Use decision-making tools/Operations research techniques</i>						
PO6	<i>Manage business process using analytical and management tools</i>						
PO7	<i>Analyze and solve problems from different industries such as manufacturing, service, retail, software, banking and finance, sports, pharmaceutical, aerospace etc</i>						
Course outcomes (CO)							
CO1	<i>Students will demonstrate knowledge of data analytics</i>						
CO2	<i>Students will demonstrate the ability of think critically in making decisions based on data and deep analytics</i>						
CO3	<i>Students will demonstrate the ability to use technical skills in predicative and prescriptive modeling to support business decision-making</i>						
CO4	<i>Students will demonstrate the ability to translate data into clear, actionable insights</i>						

Unit I

Business analytics: Overview of Business analytics, Scope of Business analytics, Business Analytics Process, Relationship of Business Analytics Process and organization, competitive advantages of Business Analytics.

Statistical Tools: Statistical Notation, Descriptive Statistical methods, Review of probability distribution and data modeling, sampling and estimation methods overview.

Unit II

Trendiness and Regression Analysis: Modeling Relationships and Trends in Data, simple Linear Regression. Important Resources, Business Analytics Personnel, Data and models for Business analytics, problem solving, Visualizing and Exploring Data, Business Analytics Technology.

Unit III

Organization Structures of Business analytics, Team management, Management Issues, Designing Information Policy, Outsourcing, Ensuring Data Quality, Measuring contribution of Business analytics, Managing Changes. Descriptive Analytics, predictive analytics, predicative Modeling, Predictive analytics analysis, Data Mining, Data Mining Methodologies, Prescriptive analytics and its step in the business analytics Process, Prescriptive Modeling, nonlinear Optimization

Unit IV

Forecasting Techniques: Qualitative and Judgmental Forecasting, Statistical Forecasting Models, Forecasting Models for Stationary Time Series, Forecasting Models for Time Series with a Linear Trend, Forecasting Time Series with Seasonality, Regression ore casting with Casual Variables, Selecting Appropriate Forecasting Models.

Monte Carlo Simulation and Risk Analysis: Monte Carle Simulation Using Analytic Solver Platform, New-Product Development Model, Newsvendor Model, Overbooking Model, Cash Budget Model

Unit V

Decision Analysis: Formulating Decision Problems, Decision Strategies with the without 8 Outcome Probabilities, Decision Trees, the Value of Information, Utility and Decision Making.

Unit VI

Recent Trends in Embedded and collaborative business intelligence, Visual data 4 recovery, Data Storytelling and Data journalism.

References

- 1) **Business analytics Principles, Concepts, and Applications** by Marc J. Schniiederjans, Dara G. Schniiederjans, Christopher M. Starkey, Pearson FT Press
- 2) **Business Analytics** by James Evans, persons Education

Open Elective

MTOE-203 A	Industrial Safety						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.

Unit I

Industrial safety: Accident, causes, types, results and control, mechanical and electrical hazards, types, causes and preventive steps/procedure, describe salient points of factories act 1948 for health and safety, wash rooms, drinking water layouts, light, cleanliness, fire, guarding, pressure vessels, etc, Safety color codes. Fire prevention and firefighting, equipment and methods.

Unit II

Fundamentals of maintenance engineering: Definition and aim of maintenance engineering, Primary and secondary functions and responsibility of maintenance department, Types of maintenance, Types and applications of tools used for maintenance, Maintenance cost & its relation with replacement economy, Service life of equipment

Unit III

Wear and Corrosion and their prevention: Wear- types, causes, effects, wear reduction methods, lubricants-types and applications, Lubrication methods, general sketch, working and applications, i. Screw down grease cup, ii. Pressure grease gun, iii. Splash lubrication, iv. Gravity lubrication, v. Wick feed lubrication vi. Side feed lubrication, vii. Ring lubrication, Definition, principle and factors affecting the corrosion. Types of corrosion, corrosion prevention methods.

Unit IV

Fault tracing: Fault tracing-concept and importance, decision tree concept, need and applications, sequence of fault finding activities, show as decision tree, draw decision tree for problems in machine tools, hydraulic, pneumatic, automotive, thermal and electrical equipment's like, I. Any one machine tool, ii. Pump iii. Air compressor, iv. Internal combustion engine, v. Boiler, vi. Electrical motors, Types of faults in machine tools and their general causes.

Unit V

Periodic and preventive maintenance: Periodic inspection-concept and need, degreasing, cleaning and repairing schemes, overhauling of mechanical components, overhauling of electrical motor, common troubles and remedies of electric motor, repair complexities and its use, definition, need, steps and advantages of preventive maintenance. Steps/procedure for periodic and preventive maintenance of: I. Machine tools, ii. Pumps, iii. Air compressors, IV. Diesel generating (DG) sets, Program and schedule of preventive maintenance of mechanical and electrical equipment, advantages of preventive maintenance. Repair cycle concept and importance.

References

- 1) Maintenance Engineering Handbook, Higgins & Morrow, Da Information Services.
- 2) Maintenance Engineering, H. P. Garg, S. Chand and Company.
- 3) Pump-hydraulic Compressors, Audels, Mcgrew Hill Publication
- 4) Foundation Engineering Handbook, Winterkorn, Hans, Chapman & Hall London

Open Elective

MTOE-205 A	Operations Research						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Students should able to apply the dynamic programming to solve problems of discreet and continuous variables</i>						
CO2	<i>Students should able to apply the concept of non-linear programming</i>						
CO3	<i>Students should able to carry out sensitivity analysis</i>						
CO4	<i>Student should able to model the real world problem and simulate it</i>						

Unit I

Optimization Techniques, Model Formulation, models, General L.R Formulation, Simplex Techniques, Sensitivity Analysis, Inventory Control Models

Unit II

Formulation of a LPP - Graphical solution revised simplex method - duality theory - dual simplex method - sensitivity analysis - parametric programming

Unit III

Nonlinear programming problem - Kuhn-Tucker conditions min cost flow problem - max flow problem - CPM/PERT

Unit IV

Scheduling and sequencing - single server and multiple server models - deterministic inventory models - Probabilistic inventory control models - Geometric Programming.

Unit V

Competitive Models, Single and Multi-channel Problems, Sequencing Models, Dynamic Programming, Flow in Networks, Elementary Graph Theory, Game Theory Simulation

References

- 1) H.A. Taha, Operations Research, An Introduction, PHI, 2008
- 2) H.M. Wagner, Principles of Operations Research, PHI, Delhi, 1982
- 3) J.C. Pant, Introduction to Optimisation: Operations Research, Jain Brothers, Delhi, 2008
- 4) Hitler Libermann Operations Research: McGraw Hill Pub. 2009
- 5) Pannerselvam, Operations Research: Prentice Hall of India 2010
- 6) Harvey M Wagner, Principles of Operations Research: Prentice Hall of India 2010

Open Elective

MTOE-207 A	Cost Management of Engineering Projects						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Course Outcomes (CO)							
CO1	<i>Students should able to learn the cost concepts in decision making</i>						
CO2	<i>Student should be able to do cost planning and Marginal Costing</i>						
CO3	<i>Students should be able to create a database for operational control and decision making.</i>						

Unit I

Introduction and Overview of the Strategic Cost Management Process

Cost concepts in decision-making; Relevant cost, Differential cost, Incremental cost and Opportunity cost. Objectives of a Costing System; Inventory valuation; Creation of a Database for operational control; Provision of data for Decision-Making.

Unit II

Project: meaning, Different types, why to manage, cost overruns centers, various stages of project execution: conception to commissioning. Project execution as conglomeration of technical and non-technical activities. Detailed Engineering activities. Pre project execution main clearances and documents Project team: Role of each member. Importance Project site: Data required with significance. Project contracts. Types and contents. Project execution Project cost control. Bar charts and Network diagram. Project commissioning: mechanical and process.

Unit III

Cost Behavior and Profit Planning Marginal Costing; Distinction between Marginal Costing and Absorption Costing; Break-even Analysis, Cost-Volume-Profit Analysis. Various decision-making problems. Standard Costing and Variance Analysis.

Pricing strategies: Pareto Analysis. Target costing, Life Cycle Costing. Costing of service sector. Just-in-time approach, Material Requirement Planning, Enterprise Resource Planning, Total Quality Management and Theory of constraints.

Activity-Based Cost Management, Bench Marking; Balanced Score Card and Value-Chain Analysis. Budgetary Control; Flexible Budgets; Performance budgets; Zero-based budgets. Measurement of Divisional profitability pricing decisions including transfer pricing.

Unit IV

Quantitative techniques for cost management, Linear Programming, PERT/CPM, Transportation problems, Assignment problems, Simulation, Learning Curve Theory.

References

- 1) Cost Accounting A Managerial Emphasis, Prentice Hall of India, New Delhi
- 2) Charles T. Horngren and George Foster, Advanced Management Accounting
- 3) Robert S Kaplan Anthony A. Alkinson, Management & Cost Accounting

Open Elective

MTOE-209 A	Composite Materials						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Program Objective (PO)	<i>To enable students to aware about the composite materials and their properties.</i>						
Course Outcomes (CO)							
CO1	<i>Students should able to learn the Classification and characteristics of Composite materials.</i>						
CO2	<i>Students should able reinforcements Composite materials.</i>						
CO3	<i>Students should able to carry out the preparation of compounds.</i>						
CO4	<i>Student should able to do the analysis of the composite materials.</i>						

UNIT I

INTRODUCTION: Definition – Classification and characteristics of Composite materials. Advantages and application of composites. Functional requirements of reinforcement and matrix. Effect of reinforcement (size, shape, distribution, volume fraction) on overall composite performance. **REINFORCEMENTS:** Preparation-layup, curing, properties and applications of glass fibers, carbon fibers, Kevlar fibers and Boron fibers. Properties and applications of whiskers, particle reinforcements. Mechanical Behavior of composites: Rule of mixtures, Inverse rule of mixtures. Iso-strain and Iso-stress conditions.

UNIT II

Manufacturing of Metal Matrix Composites: Casting – Solid State diffusion technique, Cladding – Hot isostatic pressing. Properties and applications. **Manufacturing of Ceramic Matrix Composites:** Liquid Metal Infiltration – Liquid phase sintering. **Manufacturing of Carbon – Carbon composites:** Knitting, Braiding, Weaving. Properties and applications.

UNIT III

Manufacturing of Polymer Matrix Composites: Preparation of Moulding compounds and prepregs – hand layup method – Autoclave method – Filament winding method – Compression moulding – Reaction injection moulding. Properties and applications.

UNIT IV

Strength: Laminar Failure Criteria-strength ratio, maximum stress criteria, maximum strain criteria, interacting failure criteria, hygrothermal failure. Laminate first ply failure-insight strength; Laminate strength-ply discount truncated maximum strain criterion; strength design using caplet plots; stress concentrations.

TEXT BOOKS:

1. Material Science and Technology – Vol 13 – Composites by R.W.Cahn – VCH, West Germany.
2. Materials Science and Engineering, An introduction. WD Callister, Jr., Adapted by R.
3. Balasubramaniam, John Wiley & Sons, NY, Indian edition, 2007.

References:

1. Hand Book of Composite Materials-ed-Lubin.
2. Composite Materials – K.K.Chawla.
3. Composite Materials Science and Applications – Deborah D.L. Chung.
4. Composite Materials Design and Applications – Danial Gay, Suong V. Hoa, and Stephen W. Tasi.

Open Elective

MTOE-211 A	Waste to Energy						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
3	0	0	3	60	40	100	3 Hrs.
Program Objective (PO)	<i>To enable students to aware about the generation of energy from the waste.</i>						
Course Outcomes (CO)							
CO1	<i>Students should able to learn the Classification of waste as a fuel.</i>						
CO2	<i>Students should able to learn the Manufacture of charcoal.</i>						
CO3	<i>Students should able to carry out the designing of gasifiers and biomass stoves.</i>						
CO4	<i>Student should able to learn the Biogas plant technology.</i>						

Unit I

Introduction to Energy from Waste: Classification of waste as fuel – Agro based, Forest residue, Industrial waste - MSW – Conversion devices – Incinerators, gasifiers, digestors

Biomass Pyrolysis: Pyrolysis – Types, slow fast – Manufacture of charcoal – Methods - Yields and application – Manufacture of pyrolytic oils and gases, yields and applications.

Unit II

Biomass Gasification: Gasifiers – Fixed bed system – Downdraft and updraft gasifiers – Fluidized bed gasifiers – Design, construction and operation – Gasifier burner arrangement for thermal heating – Gasifier engine arrangement and electrical power – Equilibrium and kinetic consideration in gasifier operation.

Unit III

Biomass Combustion: Biomass stoves – Improved chullahs, types, some exotic designs, Fixed bed combustors, Types, inclined grate combustors, Fluidized bed combustors, Design, construction and operation - Operation of all the above biomass combustors.

Unit IV

Biogas: Properties of biogas (Calorific value and composition) - Biogas plant technology and status - Bio energy system - Design and constructional features - Biomass resources and their classification - Biomass conversion processes - Thermo chemical conversion - Direct combustion - biomass gasification - pyrolysis and liquefaction - biochemical conversion - anaerobic digestion - Types of biogas Plants – Applications - Alcohol production from biomass - Bio diesel production - Urban waste to energy conversion - Biomass energy Programme in India.

References:

- 1) Non Conventional Energy, Desai, Ashok V., Wiley Eastern Ltd., 1990.
- 2) Biogas Technology - A Practical Hand Book - Khandelwal, K. C. and Mahdi, S. S., Vol. I & II, Tata McGraw Hill Publishing Co. Ltd., 1983.
- 3) Food, Feed and Fuel from Biomass, Challal, D. S., IBH Publishing Co. Pvt. Ltd., 1991.
- 4) Biomass Conversion and Technology, C. Y. WereKo-Brobby and E. B. Hagan, John Wiley & Sons, 1996.

Audit-I

English For Research Paper Writing							
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
2	0	0	0	-	100	100	3 Hrs.
Program Objective (PO)	<i>Student will able to understand the basic rules of research paper writing.</i>						
Course Outcomes (CO)							
CO1	<i>Understand that how to improve your writing skills and level of readability</i>						
CO2	<i>Learn about what to write in each section</i>						
CO3	<i>Understand the skills needed when writing a Title</i>						
CO4	<i>Ensure the good quality of paper at very first-time submission</i>						

Unit-I

Planning and Preparation, Word Order, Breaking up long sentences, Structuring Paragraphs and Sentences, Being Concise and Removing Redundancy, Avoiding Ambiguity and Vagueness

Unit II

Clarifying Who Did What, Highlighting Your Findings, Hedging and Criticizing, Paraphrasing and Plagiarism, Sections of a Paper, Abstracts. Introduction

Unit III

Review of the Literature, Methods, Results, Discussion, Conclusions, the Final Check. key skills are needed when writing a Title, key skills are needed when writing an Abstract, key skills are needed when writing an Introduction, skills needed when writing a Review of the Literature,

Unit IV

Skills are needed when writing the Methods, skills needed when writing the Results, skills are needed when writing the Discussion, skills are needed when writing the Conclusions Useful phrases, how to ensure paper is as good as it could possibly be the first- time submission.

References:

- 1) Goldbort R (2006) Writing for Science, Yale University Press (available on Google Books)
- 2) Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press
- 3) Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM. Highman'sbook.
- 4) Adrian Wallwork, English for Writing Research Papers, Springer New York Dordrecht Heidelberg London, 2011

Audit -I

MTAD-103 A	Disaster Management						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
2	0	0	0	-	100	100	3 Hrs.
Program Objective (PO)	<i>Develop an understanding of disaster risk reduction and management</i>						
Course Outcomes (CO)							
CO1	<i>Learn to demonstrate a critical understanding of key concepts in disaster risk reduction and humanitarian response.</i>						
CO2	<i>Critically evaluate disaster risk reduction and humanitarian response policy and practice from multiple perspectives.</i>						
CO3	<i>Develop an understanding of standards of humanitarian response and practical relevance in specific types of disasters and conflict situations.</i>						
CO4	<i>critically understand the strengths and weaknesses of disaster management approaches, planning and programming in different countries, particularly their home country or the countries they work in</i>						

Unit-1

Introduction: Disaster: Definition, Factors and Significance; Difference between Hazard and Disaster; Natural and Manmade Disasters: Difference, Nature, Types and Magnitude.

Unit-II

Repercussions of Disasters and Hazards: Economic Damage, Loss of Human and Animal Life, Destruction of Ecosystem.

Natural Disasters: Earthquakes, Volcanisms, Cyclones, Tsunamis, Floods, Droughts And Famines, Landslides And Avalanches, Man-made disaster: Nuclear Reactor Meltdown, Industrial Accidents, Oil Slicks And Spills, Outbreaks Of Disease And Epidemics, War And Conflicts.

Unit III

Disasters Prone Areas in India: Study of Seismic Zones; Areas Prone To Floods And Droughts, Landslides And Avalanches; Areas Prone To Cyclonic And Coastal Hazards With Special Reference To Tsunami; Post-Disaster Diseases And Epidemics

Preparedness: Monitoring Of Phenomena Triggering A Disaster Or Hazard; Evaluation Of Risk: Application Of Remote Sensing, Data From Meteorological And Other Agencies, Media Reports: Governmental And Community Preparedness.

Unit -IV

Disaster Risk: Concept and Elements, Disaster Risk Reduction, Global and National Disaster Risk Situation. Techniques of Risk Assessment, Global Co-Operation in Risk Assessment and Warning, People's Participation in Risk Assessment. Strategies for Survival. Meaning, Concept and Strategies of Disaster Mitigation, Emerging Trends in Mitigation. Structural Mitigation and Non-Structural Mitigation, Programs Of Disaster Mitigation in India.

References:

- 1) R. Nishith, Singh AK, "Disaster Management in India: Perspectives, issues and strategies "New Royal book Company.
- 2) Sahni, PardeepEt.Al. (Eds.)," Disaster Mitigation Experiences and Reflections", Prentice Hall Of India, New Delhi.
- 3) Goel S. L., Disaster Administration and Management Text and Case Studies", Deep & Deep Publication Pvt. Ltd., New Delhi.

Audit -I

MTAD-105 A		Sanskrit for Technical Knowledge					
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
2	0	0	0	-	100	100	3 Hrs.
Program Objective (PO)	<i>Students will be able to Understanding basic Sanskrit language and Ancient Sanskrit literature about science & technology can be understood and Being a logical language will help to develop logic in students</i>						
Course Outcomes (CO)							
CO1	<i>To get a working knowledge in illustrious Sanskrit, the scientific language in the world</i>						
CO2	<i>Learning of Sanskrit to improve brain functioning</i>						
CO3	<i>Learning of Sanskrit to develop the logic in mathematics, science & other subjects enhancing the memory power</i>						
CO4	<i>The engineering scholars equipped with Sanskrit will be able to explore the huge knowledge from ancient literature</i>						

Unit I

Alphabets in Sanskrit, Past/Present/Future Tense, Simple Sentences.

Unit II

Order, Introduction of roots, Technical information about Sanskrit Literature

Unit III

Technical concepts of Engineering: Electrical, Mechanical

Unit IV

Technical concepts of Engineering: Architecture, Mathematics

References

- 1) “Abhyaspustakam” – Dr. Vishwas, Samskrita-Bharti Publication, New Delhi
- 2) “Teach Yourself Sanskrit” PrathamaDeeksha-VempatiKutumbshastri, Rashtriya Sanskrit Sansthanam, New Delhi Publication
- 3) “India’s Glorious Scientific Tradition” Suresh Soni, Ocean books (P) Ltd., New Delhi.

Audit I

MTAD-107 A		Value Education					
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
2	0	0	0	-	100	100	3 Hrs.
Program Objective (PO)	<i>Understand value of education and self- development, Imbibe good values in students and Let the should know about the importance of character</i>						
Course Outcomes (CO)							
CO1	<i>Knowledge of self-development</i>						
CO2	<i>Learn the importance of Human values</i>						
CO3	<i>Developing the overall personality</i>						
CO4	<i>Know about the importance of character</i>						

Unit I

Values and self-development –Social values and individual attitudes. Work ethics, Indian vision of humanism. Moral and non- moral valuation. Standards and principles. Value judgments.

Unit II

Importance of cultivation of values. Sense of duty. Devotion, Self-reliance. Confidence, Concentration. Truthfulness, Cleanliness. Honesty, Humanity. Power of faith, National Unity. Patriotism. Love for nature, Discipline

Unit III

Personality and Behavior Development - Soul and Scientific attitude. Positive Thinking. Integrity and discipline. Punctuality, Love and Kindness. Avoid fault Thinking. Free from anger, Dignity of labour. Universal brotherhood and religious tolerance. True friendship. Happiness Vs suffering, love for truth. Aware of self-destructive habits. Association and Cooperation. Doing best for saving nature

Unit IV

Character and Competence –Holy books Vs Blind faith. Self-management and Good health. Science of reincarnation. Equality, Non violence, Humility, Role of Women. All religions and same message. Mind your Mind, Self-control. Honesty, Studying effectively

References

- 1) Chakroborty, S.K. “Values and Ethics for organizations Theory and practice”, Oxford University Press, New Delhi

Audit II

MTAD-102 A		Constitution of India					
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
2	0	0	0	-	100	100	3 Hrs.
Program Objective (PO)	<i>Understand the premises informing the twin themes of liberty and freedom from a civil rights perspective and to address the growth of Indian opinion regarding modern Indian intellectuals' constitutional role and entitlement to civil and economic rights as well as the emergence of nationhood in the early years of Indian nationalism.</i>						
Course Outcomes (CO)							
CO1	<i>Discuss the growth of the demand for civil rights in India for the bulk of Indians before the arrival of Gandhi in Indian politics.</i>						
CO2	<i>Discuss the intellectual origins of the framework of argument that informed the conceptualization of social reforms leading to revolution in India.</i>						
CO3	<i>Discuss the circumstances surrounding the foundation of the Congress Socialist Party [CSP] under the leadership of Jawaharlal Nehru and the eventual failure of the proposal of direct elections through adult suffrage in the Indian Constitution.</i>						
CO4	<i>Discuss the passage of the Hindu Code Bill of 1956.</i>						

Unit I

History of Making of the Indian Constitution: History, Drafting Committee, (Composition & Working) Philosophy of the Indian Constitution: Preamble, Salient Features

Unit 2

Contours of Constitutional Rights & Duties: Fundamental Rights , Right to Equality , Right to Freedom , Right against Exploitation , Right to Freedom of Religion, Cultural and Educational Rights , Right to Constitutional Remedies , Directive Principles of State Policy , Fundamental Duties.

Organs of Governance: Parliament, Composition, Qualifications and Disqualifications, Powers and Functions, Executive, President, Governor , Council of Ministers, Judiciary, Appointment and Transfer of Judges, Qualifications. Powers and Functions

Unit 3

Local Administration: District's Administration head: Role and Importance, Municipalities: Introduction, Mayor and role of Elected Representative CEO of Municipal Corporation, Panchayati raj: Introduction, PRI: ZilaPanchayat, Elected officials and their roles, CEO ZilaPanchayat: Position and role. Block level: Organizational Hierarchy (Different departments), Village level: Role of Elected and Appointed officials, Importance of grass root democracy

Unit 4

Election Commission: Election Commission: Role and Functioning. Chief Election Commissioner and Election Commissioners. State Election Commission: Role and Functioning. Institute and Bodies for the welfare of SC/ST/OBC and women.

References

- 1) The Constitution of India, 1950 (Bare Act), Government Publication.
- 2) Dr. S. N. Busi, Dr. B. R. Ambedkar framing of Indian Constitution, 1st Edition, 2015.
- 3) M. P. Jain, Indian Constitution Law, 7th Edn., Lexis Nexis, 2014.
- 4) D.D. Basu, Introduction to the Constitution of India, Lexis Nexis, 2015.

Audit-II

MTAD-104 A	Pedagogy Studies						
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
2	0	0	0	-	100	100	3 Hrs.
Program Objective (PO)	<i>Review existing evidence on the review topic to inform programme design and policy making undertaken by the DFID, other agencies and researchers and Identify critical evidence gaps to guide the development.</i>						
Course Outcomes (CO)							
CO1	<i>What pedagogical practices are being used by teachers in formal and informal classrooms in developing countries?</i>						
CO2	<i>What is the evidence on the effectiveness of these pedagogical practices, in what conditions, and with what population of learners?</i>						
CO3	<i>How can teacher education (curriculum and practicum) and the school curriculum and guidance materials best support effective pedagogy?</i>						
CO4	<i>What is the importance of identifying research gaps?</i>						

Unit I

Introduction and Methodology: Aims and rationale, Policy background, Conceptual framework and terminology, Theories of learning, Curriculum, Teacher education. Conceptual framework, Research questions. Overview of methodology and Searching. Thematic overview: Pedagogical practices are being used by teachers in formal and informal classrooms in developing countries. , Curriculum, Teacher education.

UnitII

Evidence on the effectiveness of pedagogical practices, Methodology for the in depth stage: quality assessment of included studies. How can teacher education (curriculum and practicum) and the school curriculum and guidance materials best support effective pedagogy? Theory of change. Strength and nature of the body of evidence for effective pedagogical practices. Pedagogic theory and pedagogical approaches. Teachers' attitudes and beliefs and Pedagogic strategies.

UnitIII

Professional development: alignment with classroom practices and follow-up support, Peer support from the head teacher and the community. Curriculum and assessment, Barriers to learning: limited resources and large class sizes,

Unit IV

Research gaps and future directions: Research design, Contexts, Pedagogy, Teacher education Curriculum and assessment, Dissemination and research impact.

References

- 1) Ackers J, Hardman F (2001) Classroom interaction in Kenyan primary schools, Compare, 31 (2): 245-261.
- 2) Agrawal M (2004) curricular reform in schools: The importance of evaluation, Journal of Curriculum Studies, 36 (3): 361-379.
- 3) Akyeampong K (2003) Teacher training in Ghana - does it count? Multi-site teacher education research project (MUSTER) country report 1. London: DFID.
- 4) Akyeampong K, Lussier K, Pryor J, Westbrook J (2013) Improving teaching and learning of basic maths and reading in Africa: Does teacher preparation count? International Journal Educational Development, 33 (3): 272–282.
- 5) Alexander RJ (2001) Culture and pedagogy: International comparisons in primary education. Oxford and Boston: Blackwell.
- 6) Chavan M (2003) Read India: A mass scale, rapid, 'learning to read' campaign.

Audit II

MTAD-106 A		Stress Management by Yoga					
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
2	0	0	0	-	100	100	3 Hrs.
Program Objective (PO)	To achieve overall health of body and mind and to overcome stress						
Course Outcomes (CO)							
CO1	<i>Develop healthy mind in a healthy body thus improving social health.</i>						
CO2	<i>Improve efficiency</i>						
CO3	<i>Learn the Yogasan</i>						
CO4	<i>Learn the pranayama</i>						

Unit I

Definitions of Eight parts of yog (Ashtanga).

Unit II

Yam and Niyam, Do's and Don't's in life; Ahinsa, satya, astheya, bramhacharya and aparigraha; Shaucha, santosh, tapa, swadhyay, ishwarpranidhan.

Unit III

Asan and Pranayam, Various yog poses and their benefits for mind & body,

Unit IV

Regularization of breathing techniques and its effects-Types of pranayam.

References

- 1) 'Yogic Asanas for Group Training-Part-I' :Janardan Swami YogabhyasiMandal, Nagpur
- 2) "Rajayoga or conquering the Internal Nature" by Swami Vivekananda, AdvaitaAshrama (Publication Department), Kolkata

Audit II

MTAD-108 A Personality Development through Life Enlightenment Skills							
Lecture	Tutorial	Practical	Credit	End Sem. Evaluation	Mid Sem. Evaluation	Total	Time
2	0	0	0	-	100	100	3 Hrs.
Program Objective (PO)	To learn to achieve the highest goal happily To become a person with stable mind, pleasing personality and determination To awaken wisdom in students						
Course Outcomes (CO)							
CO1	<i>Students become aware about leadership.</i>						
CO2	<i>Students will learn how to perform his/her duties in day to day work.</i>						
CO3	<i>Understand the team building and conflict</i>						
CO4	<i>Student will learn how to become role model for the society.</i>						

Unit I

Neetisatakam-Holistic development of personality: Verses: 19, 20, 21, 22 (wisdom); Verses: 29, 31, 32 (pride & heroism); Verses: 26, 28, 63, 65 (virtue); Verses: 52, 53, 59 (don's); Verses: 71, 73, 75, 78 (do's).

Unit II

Approach to day to day work and duties; Shrimad Bhagwad Geeta: Chapter-2: Verses: 41, 47, 48; Chapter-3: Verses: 13, 21, 27, 35; Chapter-6: Verses: 5, 13, 17, 23, 35; Chapter-18: Verses: 45, 46, 48.

Unit III

Statements of basic knowledge; Shrimad Bhagwad Geeta: Chapter-2: Verses: 56, 62, 68; Chapter-12: Verses: 13, 14, 15, 16, 17, 18.

Unit IV

Personality of Role model; Shrimad Bhagwad Geeta: Chapter-2: Verses: 17; Chapter-3: Verses: 36, 37, 42; Chapter-4: Verses: 18, 38, 39; Chapter-18: Verses: 37, 38, 63.

References:

- 1) Srimad Bhagavad Gita, Swami SwarupanandaAdvaita Ashram (Publication Department), Kolkata.
- 2) Bhartrihari's Three Satakam (Niti-sringar-vairagya), P. Gopinath, Rashtriya Sanskrit Sansthanam, New Delhi.

MTCE-209 A Dissertation Phase – I

(Credits =10: P= 20)

Teaching Scheme

Lab work: 20 hrs/week for Dissertation Phase- I

Mid Semester Evaluation weightage- 30% and End Semester Evaluation weightage- 70%

Course Outcomes:

At the end of this course, students will be able to

1. Identify structural engineering problems reviewing available literature.
2. Identify appropriate techniques to analyze complex structural systems.
3. Apply engineering and management principles through efficient handling of project

Syllabus Contents:

The dissertation-I will have mid semester presentation and end semester presentation. The mid semester presentation will include identification of problem based on literature review on the topic referring to latest literature available.

End semester presentation should be done along with the report on identification of topic for the work and the methodology adopted involving scientific research, collection and analysis of data, determining solutions and must bring out individual contribution.

Continuous assessment of Dissertation-I and Dissertation-II at mid semester and end semester will be monitored by the departmental committee.

MTCE-202 A Dissertation Phase – II
(Credits =16 : P =32)

Teaching Scheme

Contact Hours: 3hrs/week for Dissertation Phase- II

Course Outcomes:

At the end of this course, students will be able to:

1. Solve complex structural problems by applying appropriate techniques and tools.
2. Exhibit good communication skill to engineering community and society.
3. Demonstrate professional ethics and work culture.

Syllabus Contents:

Dissertation-II will be extension of the work on the topic identified in Dissertation-I
Continuous assessment should be done of the work done adopting the methodology decided involving numerical analysis/ conduct experiments, collection and analysis of data, etc. There will be pre-submission seminar at the end of academic term. After the approval the student has to submit the detailed report and external examiner is called for the viva-voce to assess along with guide.

.....

Guidelines for Dissertation Phase – I and Phase-II

As per the AICTE directives, the dissertation is a yearlong activity, to be carried out and evaluated in two phases i.e. Phase – I: July to December and Phase – II: January to June.

The dissertation may be carried out preferably in-house i.e. department's laboratories and centers OR in industry allotted through department's T & P coordinator.

After multiple interactions with guide and based on comprehensive literature survey, the student shall identify the domain and define dissertation objectives. The referred literature should preferably include IEEE/IET/IETE/Springer/Science Direct/ACM journals in the areas of Civil Engineering, Structural Engineering and Analysis and any other related domain. In case of Industry sponsored projects, the relevant application notes, white papers, product catalogues should be referred and reported.

Student is expected to detail out specifications, methodology, resources required, critical issues involved in design and implementation and phase wise work distribution, and submit the proposal within a month from the date of registration.

Phase – I deliverables: A document report comprising of summary of literature survey, detailed objectives, project specifications, paper and/or computer aided design, proof of concept/functionality, part results, A record of continuous progress.

Phase – I evaluation: A committee comprising of guides of respective specialization shall assess the progress/performance of the student based on report, presentation and Q & A. In case of unsatisfactory performance, committee may recommend repeating the Phase-I work.

During phase – II, student is expected to exert on design, development and testing of the proposed work as per the schedule. Accomplished results/contributions/innovations should be published in terms of research papers in reputed journals and reviewed focused conferences OR IP/Patents.

Phase – II deliverables: A dissertation report as per the specified format, developed system in the form of hardware and/or software, a record of continuous progress.

Phase – II evaluation: Guide along with appointed external examiner shall assess the progress/performance of the student based on report, presentation and Q & A. In case of unsatisfactory performance, committee may recommend for extension or repeating the work

.....

B.Tech.Computer Science and Engineering(CSE)/B.Tech (Computer Engineering)
KURUKSHETRA UNIVERSITY, KURUKSHETRA

Revised SCHEME OF EXAMS W.E.F THE SESSION 2025-26

SEMESTER-III

S. No.	Course No./ Code	Subject	L:T:P	Hours/ Week	Credits	Examination Schedule (Marks)				Duration of Exam(Hours)
						End Semester Exam	Internal assessment	Practical Exam	Total	
1	B24-CSE-201	Data Structures and Algorithms	4:0:0	4	4	70	30	0	100	3
2	B24-CSE-203	Computer Organization & Architecture	3:0:0	3	3	70	30	0	100	3
3	B24-CSE-205	Object Oriented Programming	4:0:0	4	4	70	30	0	100	3
4	B24-CSE-207	IT Workshop (Python)	3:0:0	3	3	70	30	0	100	3
5	B24-BSC-207	Probability and Statistics	3:0:0	3	3	70	30	0	100	3
6	B24-HSM-201	Organizational Behaviour	3:0:0	3	3	70	30	0	100	3
7	B24-CSE-209	Data Structures and Algorithms Lab	0:0:3	3	1.5	0	40	60	100	3
8	B24-CSE-211	Object Oriented Programming Lab	0:0:3	3	1.5	0	40	60	100	3
9	B24-CSE-213	IT Workshop (Python) Lab	0:0:2	2	1	0	40	60	100	3
10	B24-MAC-202	Essence of Indian Traditional Knowledge	2:0:0	2	1	--	100	--	100	3
TOTAL				30	25	420	400	180	1000	

Note:

- NCC/NSS/Sports/Yoga/Technical/cultural club/society activities may also be joined by students in second year and will be evaluated in 7th semester by the institute based upon continuous evaluation model as per guidelines.

B24-BSC-207		PROBABILITY AND STATISTICS					
L	T	P	Credit	End Semester Exam	Internal assessment	Total	Time
3	0	-	3.0	70	30	100	3 Hrs.
Purpose	To familiarize the prospective students with the fundamentals of probability & statistics and how to apply the principles to model and analyze various phenomena in fields like finance, economics, and engineering, aiding in making informed decisions and predicting outcomes.						
Course Outcomes							
CO1	Introduce the fundamental concepts of probability to analyze and predict outcomes in real-life situations.						
CO 2	Probability theory provides models of probability distributions (theoretical models of the observable reality involving chance effects) to be tested by statistical methods which has various engineering applications.						
CO 3	To make the students familiar about basic statistics to analyze data sets using various measures of central tendency and dispersion						
CO 4	on completion of Unit IV, students will proficiently apply correlation and regression techniques, including calculating coefficients and determining lines of regression, to analyze relationships between variables in datasets.						

UNIT-I (10 Hrs)

Basic Probability: Introduction, additive law of probability, Conditional Probability, Independent Events, Bayes' Theorem.

Random Variables: Discrete random variables, probability distribution, Probability mass function and distribution function, Expectation, Moments, Variance and standard deviation of discrete random variables.

UNIT-II (12hrs)

Continuous Probability distribution:

Continuous random variables, probability distribution, Probability density function and distribution function, Expectation, Moments, Variance and standard deviation of Continuous random variables.

Probability distributions: Binomial, Poisson and Normal - evaluation of statistical parameters for these three distributions.

UNIT-III (10hrs)

Basic Statistics:

Measures of Central tendency: Mean, median, quartiles, mode, Geometric mean, Harmonic mean, Measures of dispersion: Range, Quartile deviation, mean deviation, standard deviation, coefficient of variation, Moments, Skewness and Kurtosis.

UNIT-IV(08hrs)

Correlation & Regression:

Introduction, Correlation, Coefficient of correlation, methods of calculations, Lines of regression, Rank correlation.

Suggested Books:

1. Erwin Kreyszig, Advanced Engineering Mathematics, 9th Edition, John Wiley & Sons, 2006.

2. P. G. Hoel, S. C. Port and C. J. Stone, Introduction to Probability Theory, Universal Book Stall, 2003 (Reprint).
3. S. Ross, A First Course in Probability, 6th Ed., Pearson Education India, 2002.
4. W. Feller, An Introduction to Probability Theory and its Applications, Vol. 1, 3rd Ed., Wiley, 1968.
5. N.P. Bali and Manish Goyal, A text book of Engineering Mathematics, Laxmi Publications, Reprint, 2010.
6. Ramana B.V., Higher Engineering Mathematics, Tata McGraw Hill New Delhi, 11th Reprint, 2010.
7. B.S. Grewal, Higher Engineering Mathematics, Khanna Publishers, 36th Edition, 2010.
8. Veerarajan T., Engineering Mathematics (for semester III), Tata McGraw-Hill, New Delhi, 2010.

KURUKSHETRA UNIVERSITY, KURUKSHETRA
Scheme of Examination for Undergraduate Programme (Interdisciplinary)
Bachelor of Commerce (Scheme- D)
as per NEP-2020 Curriculum Framework

(Multiple Entry-Exit, Internships and Choice Based Credit System LOCF) w.e.f. the session 2026-2027

Semester	Course Type	Course Code	Nomenclature of Course	Credits				Contact Hours L: Lecture T: Tutorial P: Practical				Internal Assessment Marks		End Term Examinations Marks		Total Marks	Examination Hours	
				Total	Theory (T)	Tutorial (T)	Practical (P)	L	T	P	Total	T	P	T	P		T	P
FIRST YEAR SCHEME																		
I	CC-1	B23-COM-101	Financial Accounting	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-2	B23-COM-102	Business Laws	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-3	B23-COM-103	Business Management	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-M1	B23-COM-104	Business Mathematics-I	2	1	1	0	1	1	0	2	15	-	35	-	50	3	-
	MDC-1	B23-COM-105	Personal Finance	3	2	1	0	2	1	0	3	25	-	50	-	75	3	-
	AEC-1	Select one course from the pool of Ability Enhancement Courses (AEC)																
	SEC-1	Select one course from the pool of Skill Enhancement Courses (SEC)																
	VAC-1	Select one course from the pool of Value Added Courses (VAC)																

II	CC-4	B23-COM-201	Computerized Accounting System *	4	3	0	1	3	0	2	5	20	10	50	20	100	3	3
	CC-5	B23-COM-202	Company Law	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-6	B23-COM-203	Principles of Marketing	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-M2	B23-COM-204	Business Mathematics-II	2	1	1	0	1	1	0	2	15	-	35	-	50	3	-
	MDC-2	B23-COM-205	Fundamentals of Banking and Insurance	3	2	1	0	2	1	0	3	25	-	50	-	75	3	-
	AEC-2	Select one course from the pool of Ability Enhancement Courses (AEC)																
	SEC-2	Select one course from the pool of Skill Enhancement Courses (SEC)																
	VAC-2	Select one course from the pool of Value Added Courses (VAC)																
Internship of 4 credits of 4-6 weeks duration after 2nd semester																		
SECOND YEAR SCHEME																		
III	CC-7	B23-COM-301	Corporate Accounting-I	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-8	B23-COM-302	Income Tax Law-I	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-9	B23-COM-303	Banking and Insurance	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-M3	B23-COM-304	Business Economics	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	MDC-3	B23-COM-305	Fundamentals of Indian Capital Markets	3	2	1	0	2	1	0	3	25	-	50	-	75	3	-
	AEC-3	Select one course from the pool of Ability Enhancement Courses (AEC)																
	SEC-3	Select one course from the pool of Skill Enhancement Courses (SEC)																

IV	CC-10	B23-COM-401	Corporate Accounting-II	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-11	B23-COM-402	Income Tax Law-II	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-12	B23-COM-403	Entrepreneurship Development	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-M4(V)	From Pool of VOC offered in Sem.-IV																
	AEC-4	Select one course from the pool of Ability Enhancement Courses (AEC)																
	VAC-3	Select one course from the pool of Value Added Courses (VAC)																
Internship of 4 credits of 4-6 weeks duration after 4th semester																		
THIRD YEAR SCHEME																		
V	CC-13	B23-COM-501	Cost Accounting	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-14	B23-COM-502	Goods & Services Tax*	4	3	0	1	3	0	2	5	20	10	50	20	100	3	3
	CC-15	B23-COM-503	Industrial & Labour Laws	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
		CC-M5(V)	From Pool of VOC offered in Sem.-V															
VI	CC-16	B23-COM-601	Management Accounting	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-17	B23-COM-602	Auditing	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-18	B23-COM-603	Business Statistics	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
		CC-M6	B23-COM-604	Business Environment of Haryana	4	3	1	0	3	1	0	4	30	-	70	-	100	3
	CC-M7(V)	From Pool of VOC offered in Sem.-VI																

***Practical Course**

FOURTH YEAR SCHEME D - BACHELOR OF COMMERCE (HONOURS)

VII	CC-H1	B23-COM-701	Organizational Behaviour	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-H2	B23-COM-702	Financial Management	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-H3	B23-COM-703	Indian Business Environment	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	DSE-H1 (any one)	B23-COM-704	Business Valuation	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
		B23-COM-705	Strategic Management	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	PC-H1	B23-COM-706	Business Research Methods *	4	3	0	1	3	0	2	5	20	10	50	20	100	3	3
	CC-HM1	B23-COM-707	Retailing	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
VIII	CC-H4	B23-COM-801	Human Resource Management	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-H5	B23-COM-802	Fraud Investigation and Forensic Accounting	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-H6	B23-COM-803	International Business	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	DSC-H2 (any one)	B23-COM-804	Corporate Governance & Sustainability	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
		B23-COM-805	Advertising & Personal Selling	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	PC-H2	B23-COM-806	Stock Market Operations*	4	3	0	1	3	0	2	5	20	10	50	20	100	3	3
	CC-HM2	B23-COM-807	Supply Chain Management	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-

FOURTH YEAR SCHEME D - BACHELOR OF COMMERCE (HONOURS WITH RESEARCH)																		
VII	CC-H1	B23-COM-701	Organizational Behaviour	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-H2	B23-COM-702	Financial Management	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-H3	B23-COM-703	Indian Business Environment	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	DSE-H1 (any one)	B23-COM-704	Business Valuation	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
		B23-COM-705	Strategic Management	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	PC-H1	B23-COM-706	Business Research Methods *	4	3	0	1	3	0	2	5	20	10	50	20	100	3	3
CC-HM1	B23-COM-707	Retailing	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-	
VIII	CC-H4	B23-COM-801	Human Resource Management	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-H5	B23-COM-802	Fraud Investigation and Forensic Accounting	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
	CC-HM2	B23-COM-807	Supply Chain Management	4	3	1	0	3	1	0	4	30	-	70	-	100	3	-
		B23-COM-808	Project/Dissertation Report	12	-	-	-	-	-	-	-	-	-	300	-	300	-	-

***Practical Course**

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	I		
Name of the Course	Financial Accounting		
Course Code	B23-COM-101		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. develop the understanding of theoretical framework of financial accounting and accounting standards. 2. prepare the financial statements of companies. 3. understand and prepare the accounts for the non-profit organizations and consignment accounts. 4. prepare the branch accounts and knowing the accounting treatment in hire purchase & instalment payment accounts. 		
	5*.		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Financial accounting: Concept, objectives & scope; Accounting as an information system; Accounting		14

	principles: Concepts and conventions; Double entry system; A brief overview of accounting standards in India; Journal, Ledger & trial balance.	
II	Capital and revenue: Concept and classification of income; Expenditure; Receipts; Provisions & reserves. Final Accounts: Trading & Profit and loss account and balance sheet with adjustments.	14
III	Accounting for non-profit organizations; Consignment accounts: accounting records; Normal and abnormal loss; Valuation of unsold stock.	16
IV	Branch accounts: dependent branch, debtor's system, stock and debtor system; Wholesale branch, Final accounts; Hire purchase and instalment payment system: basic concepts, difference and accounting treatment.	16
V*	----	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
➤ Theory: 30		70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Gupta R. L. and Radhaswamy, M., Financial Accounting, Sultan Chand and Sons, New Delhi. • Hanif & Mukherjee., Financial Accounting. Tata McGraw Hill. • Lal Jawahar, Seema Srivastava & Shivani Abrol, Financial Accounting Text and Problems, Himalaya Publishing House, New Delhi. • Maheswari S. N. and Maheswari S. K.: Financial Accounting, Vikas Publishing House, Noida. • Sehgal Ashok & Sehgal Deepak, Fundamentals of Financial Accounting, Taxmann, New Delhi. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	I		
Name of the Course	Business Laws		
Course Code	B23-COM-102		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the provisions of Indian Contract Act. 2. know the obligations of buyer and seller for making the business agreements and contracts. 3. apply skills to initiate entrepreneurial ventures as partnership and LLP. 4. understand the concepts & scope of negotiable instruments and legal safeguards in Information Technology. 		
	5*.		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	The Indian Contract Act,1872: nature and classification of contracts; Essentials of a valid contract; An overview of Proposal and acceptance, Capacity of parties to contract, Free consent, Lawful consideration, Lawful object; Void	15	

	Agreement; Performance of contract; Discharge of contract; Remedies for breach of contract.	
II	Sale of Goods Act, 1930: Formation of contract of sale; Goods and their classification; Price; Conditions and warranties; Transfer of ownership in goods; Performance of the contract of sale; Remedies: unpaid seller and his rights, buyer's remedies; Auction sale, Online auction.	15
III	Indian Partnership Act 1932: Nature of firm; Duties and rights of partners; Liabilities of firm and partner; Limited Liability Partnership Act, 2008: concepts, characteristics of LLP; Incorporation of LLP; LLP agreement, Extent & limitations of liabilities of LLP and partners.	15
IV	Negotiable Instruments Act, 1881: scope, features and types; Negotiation; Crossing; Dishonor and discharge of negotiable instruments. Information Technology Act, 2000: Purpose; Benefits and limitations; Digital signature; E-Governance; Attribution of electronic records, duties of subscribers; Penalties and adjudication offences.	15
V*		
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
➤ Theory: 30		70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Aggarwal Rohini, <i>Mercantile & Commercial Laws</i>, Taxmann Allied Services (P) Ltd., New Delhi. • Bhushan, Bharat. Kapoor, N.D., Abbi, Rajni, "Elements of Business Law". Sultan Chand & Sons Pvt. Ltd. • Bulchandani, K.R., <i>Business Laws</i>, Himalaya Publishing House, New Delhi. • Datey, V.S., <i>Business and Corporate Laws</i>, Taxmann Publications, New Delhi. • Kapoor, N.D., <i>Business Law</i>, Sultan Chand & Sons, New Delhi. • Kuchhal, M.C., Kuchhal Vivek, <i>Business Legislation for Management</i>, Vikas Publishing House Pvt. Ltd., New Delhi. • Tulsian, P.C., <i>Business Laws</i>, Tata McGraw Hill, New Delhi. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	I		
Name of the Course	Business Management		
Course Code	B23-COM-103		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-3		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. gain knowledge about the conceptual framework of business management; development of management thoughts and knowing the emerging management thoughts. 2. understand the utility and application of planning and organizing functions of management. 3. assimilate and use the concepts of delegation, decentralization and staffing in organization. 4. comprehend the concept and applications of leadership styles, and controlling practices in organizations. 		
	5*.-----		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to Management: characteristics and significance, process and functions of management; Management: as science, art and profession; Approaches to management: Classical and neo classical approach, behavioral approach,		15

	management science approach, systems approach and contingency approach; Emerging management concepts.	
II	Planning: process and importance; Types of plans: Policy, programme, strategy, vision, mission, goals and objectives; Organizing: Principles and benefits of organizations; Organizational structure: Functional, line and staff, matrix, formal vs. informal; Organizational structure for large scale business organization, virtual organization.	15
III	Staffing: Importance, scope and modes of staffing; Delegation: Advantages, barriers to delegation, guidelines for effective delegation; Decentralization and Centralization: Advantages and disadvantages; Factors influencing decentralization; Directing; Coordination; Controlling: Characteristics and process of control, prerequisites of an effective control system, controlling techniques.	15
IV	Motivation: Objectives and significance; Approaches to motivation; Leadership: Significance and functions; Leadership styles; Approaches to leadership	15
V*	-	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
➤ Theory: 30		70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Basu, C, Business Organisation and Management, McGraw Hill Education. • Bhattacharya Kumar Deepak, Principles of Management, Pearson, New Delhi. • Gupta, C.B.: Management: Theory and Practice, Sultan Chand & Sons, New Delhi • O'Donnel Cyril & Koontz Harold, Management, McGraw Hill, New Delhi. • Stephen P Robbins, David A DeCenzo, 'Fundamentals of Management, Essential Concepts and Applications • Tripathi, P.C. & Reddy, P.N., Principles of Management, Tata McGraw Hill, New Delhi. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	I		
Name of the Course	Business Mathematics-1		
Course Code	B23-COM-104		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-M1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand set theory, logical statements and truth tables. 2. learn the logarithms and arithmetic and geometric progressions and their applications. 3. familiarize with the concepts of matrices and determinants. Learn to solve system of simultaneous linear equations. 4. have the conceptual knowledge of Compound interest, annuity, loan, debenture and sinking funds and attain skills to use these concepts in daily life. 		
	5*.		
	Theory	Tutorial	Total
Credits	01	01	02
Contact Hours	01	01	02
Internal Assessment Marks	15	-	15
End Term Exam Marks	35	-	35
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. About 40% questions should be numerical type. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			

Unit	Topics	Contact Hours
I	Set Theory: Representation of sets, equivalent sets, power set, complement of a set. Venn Diagrams: Union and intersection of sets, De-Morgan's laws; Logical statements and truth tables.	8
II	Logarithms: Laws of operation, log tables; Arithmetic and geometric progression.	7
III	Matrices and Determinants: Definition of a matrix, order, equality, types of matrices; Operations on matrices: Addition, multiplication and multiplication with a scalar and their simple properties; Determinant of a square matrix (upto 3x 3 order): Properties of determinants, minors, co-factors and applications of determinants in finding the area of triangle, adjoint and inverse of a square matrix, solutions of a system of linear equations by examples.	8
IV	Compound interest and annuities: Different types of interest rates, types of annuities, present value and amount of an annuity (including the case of continuous compounding), valuation of simple loans and debentures, problems related to sinking funds.	7
V*		
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
➤ Theory: 15		35
Class Participation	4	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	4	
Mid Term Exam	7	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Allen R.G.D., Basic Mathematics, Macmillan, New Delhi • D.C. Sancheti and V.K. Kapoor, Business Mathematics, Sultan Chand and Sons. • E. Don and J. Lerner, Schaum outlines of Basic Business Mathematics, McGraw Hill. • Holden, Mathematics for Business and Economics, Macmillan India, New Delhi. • S.C. Gupta and V.K. Kapoor, Fundamentals of Mathematical Statistics, S. Chand & Sons, Delhi. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	I		
Name of the Course	Personal Finance		
Course Code	B23-COM-105		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	MDC-1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the basics of personal finance and personal financial planning. 2. gain knowledge about investing in stock market. 3. do planning for other investment avenues. 4. understand the role of regulatory environment in managing personal finance and retirement planning. 		
	5*		
	Theory	Tutorial	Total
Credits	02	01	03
Contact Hours	02	01	03
Internal Assessment Marks	25	-	25
End Term Exam Marks	50	-	50
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 5 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Personal finance: Concept, need, principles and scope; Financial objectives; Personal financial planning: Process, factors		11

	affecting; Financial planner: Role and functions; Sources of finance.	
II	Basics of investment; Investment avenues and strategies; Shares and debentures: Concept and types; Mutual Funds: Concept, types, asset management companies, identifying mutual fund for investment; Investing in stock markets: Identifying stocks, holding, day trading, hedging instruments, etc.	12
III	Other investment Avenues: Gold bonds, sovereign bonds, tax saving instruments, PPF, Provident Fund, etc.; Tax treatment of investment; Likely causes of cheating and fraud in investment.	11
IV	Institutional framework for investing: An overview of SEBI, IRDA, RERA, AMFI, bank ombudsman; Retirement planning: Pension plans, NPS.	11
V*	-	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
➤ Theory: 25		50
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	7	
Mid Term Exam	13	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Arthur J. Keown: Personal Finance, Pearson India. • Halan, Monika, Lets Talk Money: You've Worked Hard for It, Now Make It Work for You, July, Harper Business. • Jack R. Kapoor, Les R. Dlabay, Robert J. Hughes, Melissa Hart: Personal Finance, Tata McGraw Hill India. • Lewis Altfest: Personal Financial Planning, Tata McGraw Hill. • Madura Jeff: Personal Finance, Pearson India. • Sinha. Madhu, Financial Planning: A Ready Reckoner, McGraw Hill. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	II		
Name of the Course	Computerized Accounting System*		
Course Code	B23-COM-201		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-4		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the concept of computerized accounting and be familiar with accounting software. 2. create company ledger, vouchers in accounts software. 3. prepare financial statements in Tally. 4. comply with tax regulations – GST, Income Tax, etc. <p>5*. make journal entries, ledgers, trial balance, profit and loss account, balance sheet and records, other business operations on Computerized accounting software, such as Tally Prime (Latest Version).</p>		
Credits	Theory	Practical	Total
	03	01	04
Contact Hours	03	02	05
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Exam Time	3 Hrs.	3 Hrs.	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 5 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Computerized Accounting System: Concept, Tally Prime, installations of Tally Prime, licensing configurations; Tally vault password: Security control in Tally Prime, data backup		15

	and restore, export and import data, edit log feature in tally; Gateway of Tally.	
II	Company creation: Setup features, accounting features, configuration, shutting and deleting a company; Ledger creation: Creating single and multiple ledgers, altering, deleting and displaying ledger; Invoicing; Budgets; Cost centres; Interest calculations; Inventory: Stock items, purchase and sales orders processing, godowns.	15
III	Financial Statements: Profit & loss account, balance sheet; Bank reconciliation; Debit and credit note; Tally audit features; Printing features; Management Information System & different reports in tally.	15
IV	Income tax and GST in Tally Prime; TDS; TCS; Payroll in Tally: Introduction, salary accounting, payroll masters, payroll vouchers, gratuity, provident fund, ESI, payroll reports.	15
V*	Procedures to create a company, prepare a profit and loss account, prepare Balance sheet, show some entries of TDS and TCS, GST entries in Tally Payroll in Tally.	30

Suggested Evaluation Methods

Internal Assessment:		End Term Exam
➤ Theory: 20		
Class Participation	5	Theory: 50
Seminar/Presentation/Assignment/Quiz/Class Test etc.	5	Practicum: 20
Mid Term Exam:	10	
➤ Practicum: 10		
Class Participation	-	
Seminar/Demonstration/Viva Voce/Lab Records etc.	10	
Mid Term Exam:	-	

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- A.K. Nadhavi, Managing VAT with Tally 9 (Taxation), BPB Publications, New Delhi.
- Ashok K. Nadavi, Tally Training Guide (Financial Accounting, Invoicing & Inventory), BPB Publications, New Delhi.
- Ashok, K. Nadhavi, Kishor K. Nadhavi, Implementary Tally 9, BPB Publications, New Delhi.
- Bansal Manoj, Computerized Accounting System, Sahitya Bhawan Publications.
- Kavitha et. al., Computerized Accounting, Himalaya Publishing House.
- Raman B.S. and Singh Ravi, Computerized Accounting System, EPBP Publication.

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	II		
Name of the Course	Company Law		
Course Code	B23-COM-202		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-5		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the concept of company as form of business organization, regulatory framework and the process of incorporation. 2. elaborate on important documents of the company and their operational usefulness. 3. understand the procedure of raising capital, knowing rights & duties of Directors and Company Secretary. 4. apply the understanding of the regulatory provisions relating to dividend decisions and winding up of the company. 		
	5*.-		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	03 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Company: Concept, characteristics, types; Conversion of private company into public company & vice versa; Incorporation of a company; Legal position of promoters; Pre-incorporation contracts.	14	

II	Memorandum of Association: Clauses and alteration procedure, Doctrine of ultra vires; Articles of Association: Clauses and alteration; Doctrine of indoor management; Doctrine of constructive notice; Prospectus: Concept, types, contents and formalities of red herring & shelf prospectus, mis-statement and remedies, liabilities for misstatements in Prospectus.	16
III	Share capital: Types, issue and allotment of shares; Reduction of share capital; Board of Directors: Composition, legal position, qualification, appointment, powers, duties & liabilities and removal of directors; Company secretary: Role, appointment, duties, liabilities, rights and removal.	16
IV	Dividend: Types, factors affecting dividend decisions, Legal provisions, dividend practices prevalent in India; Winding up of a company: Reasons, modes, procedure and implications of winding up.	14
V*	-	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam 70
➤ Theory: 30		
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Bhushan, Bharat. Kapoor, N.D., Abbi, Rajni, <i>Elements of Company Law</i>. Sultan Chand & Sons Pvt. Ltd. • Kapoor N.D., <i>Elements of Company Law</i>, Sultan Chand & Sons, New Delhi. • Majumdar, A.K. and Kapoor, G.K., <i>Company Law</i>, Taxmann Publications. • Ramaiya A., <i>Guide to the Companies Act</i>, Wadhwa & Co, Nagpur. • Ratan Nolakha, <i>Company Law and Practice</i>, Vikas Publications, New Delhi. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	II		
Name of the Course	Principles of Marketing		
Course Code	B23-COM-203		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	CC-6		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the basic concepts of marketing and assess the marketing environment. 2. analyse the consumer behaviour in the present scenario and marketing segmentation. 3. discover the new product development and factors affecting the price of a product in the present context. 4. understand the promotional and distribution strategies along with the recent developments in the field of marketing. 		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	03 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Marketing: Concept, nature, scope and importance; Evolution of Marketing; Understanding marketing in new perspectives; Marketing environment: Concept, importance; Micro environmental factors: Suppliers, marketing intermediaries, customers, competitors, public; Macro environmental factors:	15	

	Demographic, economic, natural, technological, politico-legal and socio- cultural.	
II	Consumer behaviour: Concept, nature and importance, consumer buying decision process, factors Influencing consumer buying behaviour; Market segmentation: Concept, importance and bases; Target market selection; Positioning: Concept, importance and bases.	15
III	Product: Concept, importance and classification; Branding, Packaging and Labelling; Product life cycle; New product development; Pricing: Concept, significance, price determination, pricing methods, pricing policies and strategies.	15
IV	Promotion: Nature and importance; Advertising, personal selling, sales promotion and publicity/public relations; Factors affecting promotion mix decisions; Distribution: Concept, importance and types of distribution channels; Factors affecting choice of distribution channel; Retailing; Wholesaling. Overview of recent developments in marketing: Social marketing; Online marketing; Direct marketing; Green marketing; Relationship marketing.	15
V*	--	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
<ul style="list-style-type: none"> ➤ Theory: 30 Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 		70
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Grewal, Dhruv and Michael Levy; <i>Marketing</i>; Tata McGraw Hill. • Kumar Arun & Meenakshi N., <i>Marketing Management</i>, Vikas Publishing House Pvt. Ltd., New Delhi. Third Edition • Michael, J. Etzel, Bruce J. Walker, William J Stanton and Ajay Pandit, <i>Marketing: Concepts and Cases</i>. (Special Indian Edition)., McGraw Hill Education • Philip Kotler, <i>Principles of Marketing</i>. Pearson Education. • Ramaswami, V.S. and Namakumari, S.; <i>Marketing Management</i>; MacMillan India Ltd. • Saxena Rajan, <i>Marketing Management</i>, Tata McGraw-Hill Publishing Company Ltd., New Delhi. Fifth Edition. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	II		
Name of the Course	Business Mathematics-II		
Course Code	B23-COM-204		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-M2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. gain the knowledge to find derivatives simple functions related to commerce problems, attain skills to use application of derivatives in evaluating maxima and minima. 2. learn to find integration of simple functions related to commerce and economic problems, attain skills to use application of integration in business and commerce problems. 3. apply binomial theorem, learn the concept and applications of permutations and combinations. 4. learn the concept of Linear programming and formulation of linear programming problems related to business and commerce. 		
	5*.		
	Theory	Tutorial	Total
Credits	01	01	02
Contact Hours	01	01	02
Internal Assessment Marks	15	-	15
End Term Examination Marks	35	-	35
Examination Time	3Hrs	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The</p>			

examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Differentiation; derivative of simple functions and other functions (excluding trigonometric functions) having applications in business studies; Maxima and minima of Revenue, Cost, Demand, Production, Profit functions and other functions related to business and commerce.	8
II	Integration: Definite and indefinite (simple functions excluding trigonometric functions), basic rules of integration, application of integration in commercial and business problems.	8
III	Binomial Theorem; Permutations and Combinations.	7
IV	Linear programming: Formulation of linear programming problems (LPP) and their solution by graphical and simplex methods, Applications of linear programming in solving problems related to business and commerce.	7
V*	-	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
<ul style="list-style-type: none"> ➤ Theory: 15 Class Participation 4 Seminar/Presentation/Assignment/Quiz/Class Test etc. 4 Mid Term Exam 7 		35
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • A.R. Vasishtha, Matrices, Krishna Prakashan (P) Media Ltd. • Allen R.G.D., Basic Mathematics, Macmillan, New Delhi • D.C. Sancheti and V.K. Kapoor, Business Mathematics, Sultan Chand and Sons. • Dowling E.T., Mathematics for Economics, Schaum Series, McGraw Hill, London. • E.T. Dowling, Schaum outlines of Calculus for Business, Economics and the Social Sciences. McGraw Hill. • Holden, Mathematics for Business and Economics, Macmillan India, New Delhi. • S.C. Gupta and V.K. Kapoor, Fundamentals of Mathematical Statistics, S. Chand & Sons, Delhi. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	II		
Name of the Course	Fundamentals of Banking and Insurance		
Course Code	B23-COM-205		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MDC-2		
Level of the course (As per Annexure-I);	100-199		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. know the basics of banking. 2. understand the banking instruments. 3. understand the basics of insurance. 4. learn about various types of insurance. 		
	5*.-		
	Theory	Tutorial	Total
Credits	02	01	03
Contact Hours	02	01	03
Internal Assessment Marks	25	-	25
End Term Exam Marks	50	-	50
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 5 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Banking: Concept, features, functions, importance and principles of banking; Evolution of banking in India; Classifications of banks.		10

II	Banking instruments: Concept, types and crossing of cheques; Lending functions of a bank: Types of Advances: Secured & unsecured, loans- Short, medium and long-Term Methods of granting advances; Utility services of a bank: Remittance through bank drafts; E Banking; Internet banking; Safe deposit lockers.	12
III	Insurance: Concept, need and principles of insurance; Insurance and economic development; Life Insurance: Concept, features, importance, and types: procedure of taking life insurance policies, nomination and assignment.	10
IV	General insurance: concept, features, importance, and types; Procedure of taking general insurance: An overview of Fire insurance, Marine Insurance, Health Insurance.	13
V*	-	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
➤ Theory: 25		50
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	7	
Mid Term Exam	13	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Basu A.K: Fundamentals of Banking-Theory and practice; A Mukerjee and co; Calcutta 2 • Gopinath M.N: Banking Principles and Operations; Snow White Publisher, Mumbai • Mishra, M. N., Principles and Practices of Insurance, S. Chand and Sons. • Mishra, M.N. Principles and Practices of Insurance. Sultan Chand and Sons. • Mohapatra and Acharya., 2018. Banking and Insurance. Pearson • Natrarajan and Parameswaran: Indian Banking; S. Chand Company Ltd, New Delhi • Vasanth Desai: Indian Banking, Nature and Problems, Himalaya Publications House. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	III		
Name of the Course	Corporate Accounting -I		
Course Code	B23-COM-301		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-7		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. know the accounting for share, understand the procedure of buyback of shares. 2. know the accounting for profit prior to incorporation and underwriting of shares. 3. understand the accounting treatment for amalgamation and internal reconstruction of companies. 4. understand IDCS and preparation of final accounts of companies. 		
	5*.--		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
<p>The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Issue of shares: Concept, types, process and procedure (including insider trading); Transfer of shares; DMAT; Bonus shares; Sweat equity shares; Right shares; Buy back		15

	of shares; Dividend on shares; Redemption of preference shares.	
II	Profit prior to incorporation: Concept, procedure of ascertaining profit prior to incorporation, basis of allocation of expenses and incomes; Underwriting of shares: Concept, features, benefits, parties, types and accounting treatment.	15
III	Amalgamation of companies: Concept and accounting treatment as per accounting standard 14 (excluding intercompany holdings); Internal reconstruction: Concept and accounting treatment excluding scheme of reconstruction.	15
IV	Overview of income disclosure and computation standards (IDCS); Final accounts of companies: Concept and preparation.	15
V*	-	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
<ul style="list-style-type: none"> ➤ Theory: 30 Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 		70
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Gupta Nirmal, Corporate Accounting, Sahitya Bhawan, Agra. • Maheshwari S.N. and S. K. Maheshwari, Corporate Accounting, Vikas Publishing House, New Delhi. • Mukherjee, S., & Mukherjee, Corporate Accounting. (1st Ed.). New Delhi: Oxford University • R.L. Gupta and M. Radhaswamy – Advanced accounts – Sultan Chand • Sehgal Ashok and Deepak Sehgal, Corporate Accounting, Taxman Publication, New Delhi. • Shukla M.C., T.S. Grewal, and S.C. Gupta, Advanced Accounts, Vol.-II., S. Chand & Co., New Delhi. • Tulsian P. C. Corporate Accounting. S Chand & Co. New Delhi 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	III		
Name of the Course	Income Tax Law-I		
Course Code	B23-COM-302		
Course Type: (CC/MCC/MDC/CCM/SEC/VOC/DSE/PC/AEC/VAC)	CC-8		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to:		
	<ol style="list-style-type: none"> 1. understand the necessary concepts of Income Tax 2. determine the impact of residential status on tax liability. 3. determine Tax liability under five heads of income 4. understand the concepts of set-off and carry forward of losses and clubbing and aggregation of incomes. 5*. 		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. About 40% questions should be numerical type. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Income tax: Concepts - Assesse, person, previous year, assessment year, gross total income, total income, casual		12

	income, virtual digital asset; Role of PAN and Aadhar number in income tax; Maximum Marginal Rate of Tax; Alternate Minimum Tax; Agricultural Income; Tax evasion, Tax avoidance, Tax planning and Tax management.	
II	Computation of incomes based on residential status of individuals, HUFs, Company and other persons; Determining incomes taxable and exempt under the head salaries (including retirement benefits and provisions) and income from house property.	19
III	Computation of taxable incomes and exemptions under the head profits and gains of business or profession (including Depreciation provisions), Capital Gains.	16
IV	Income from other sources; Clubbing and aggregation of incomes; Set off and carry forward of losses; Exempted incomes.	13
V*	--	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
➤ Theory: 30		70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Girish Ahuja and Ravi Gupta, Systematic Approach to Income Tax, C.C.H. India Publications, New Delhi. • Mehrotra H.C., Income Tax Law & Account, Sahitya Bhawan Publications, Agra. • Prasad, Bhagwati, Income Tax Law & Practice, Wishwan Prakashan, Bhopal. • Singhanian V.K., Student's Guide to Income Tax, Taxmann Publications Pvt. Ltd., New Delhi. 		
Journals:		
<ul style="list-style-type: none"> • <i>Income tax reports.</i> Company Law Institute Pvt. Ltd., Chennai. • <i>Taxman.</i> Taxman allied Services Pvt. Ltd., New Delhi. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	III		
Name of the Course	Banking and Insurance		
Course Code	B23-COM-303		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-9		
Level of the course (As per Annexure-I);	200-299		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. know the basics of banking. 2. understand the Indian banking system. 3. understand the principles & regulation of insurance. 4. learn about various types of insurance and claims settlement procedure. 		
	5*.-		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Banking: Concept, features, functions, importance and principles of banking; Evolution of banking in India; Classifications of banks; Credit creation, Banking Regulation Act 1949: Major provisions.		15

II	Indian Banking System: Features, nationalization of commercial banks and its effects; Reserve Bank of India – Functions, control of credit by RBI, power of RBI; Recent trends in Indian banking system.	15
III	Insurance: Concept, need and principles of insurance; Insurance and economic development; Life and general insurance: principles, present status & growth of life and general insurance in India, claims settlement procedure; Regulatory Framework of Insurance.	15
IV	Fire insurance: Concept, principles; Fire insurance policy, claims settlement procedure; Marine insurance: Marine insurance policy and claims settlement procedures; Accident and motor insurance: Policy and claims settlement procedures.	15
V*		
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam 70
➤ Theory: 30		
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Gopinath M.N: Banking Principles and Operations; Snow White Publisher, Mumbai. • Insurance & Risk Management – Dr. P.K. Gupta, Himalaya Publishing House, Delhi. • Mishra, M.N. Principles and Practices of Insurance. Sultan Chand and Sons. • Mohapatra and Acharya., Banking and Insurance. Pearson Publications. • Nalini Prava Tripathy and Prabir Pal: Insurance Theory and Practice, Prentice Hall India. • Principles and Practices of Banking (CA-IIBF), Macmillan, New Delhi. • Suneja, H.R. Practical and Law of Banking. Himalaya Publishing House. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	III		
Name of the Course	Business Economics		
Course Code	B23-COM-304		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-M3		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand price & output determination under different market structures. 2. understand behaviour of firms & their stakeholders with many products and multiple objectives. 3. develop the capability to analyse macro-economic environment. 4. take decisions according to state economic policies. 		
	5*		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Nature and scope of business economics, Importance of economics in business decisions; Basic Economic Concepts;		14

	Marginal analysis; Nature of demand function: law of demand, shifts in demand curve, factors influencing demand; Elasticity of demand: price, income and cross; Consumer's equilibrium: Cardinal Utility Approach, Ordinal Utility approach.	
II	Production function: short and long run - law of variable proportions; Return to factor; Law of returns to scale; economies and diseconomies of scale; Equilibrium of firm under perfect competition; monopoly - price discrimination, Price and output determination under monopolistic competition; Decisions under monopolistic competition.	16
III	Non-collusive oligopoly models- Cournot and Kinked Demand Curve; Collusive oligopoly models – Cartels, price leaderships; Employment theory, classical employment theory; Keynesian theory of employment; Money definition and its functions.	15
IV	Macro Economics: concept, nature and scope; Circular flow of income (four core sectors); National income concepts (an overview) – GNP, GDP, NNP, NDP; Inflation: types and control; Money supply (monetary aggregates); Fiscal policy; Monetary policy; Business cycles and their control.	15
V*	-	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
➤ Theory: 30		70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Ahuja, H.L., Macro Economics, S. Chand Publications, New Delhi. • Dwivedi, D.N., Macro Economics, Tata McGraw Hill, New Delhi. • G.S. Gupta: Managerial Economics McGraw Hill Education. • Jhinghan M.L.: Advanced Economic Theory. Vrinda Publications, New Delhi. • Koutsoyiannis A.: Modern Microeconomics; Macmillan New Delhi. • Paul, S., Gupta, G. and Mote, V., Managerial Economics, Tata McGraw Hill. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	III		
Name of the Course	Fundamentals of Indian Capital Markets		
Course Code	B23-COM-305		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MDC-3		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the basics of Indian capital market. 2. understand the stock market regulator and provisions for investors' protection. 3. get acquainted with the functioning of stock exchanges of India. 4. understand the depository system of Indian capital market. 		
	Theory	Tutorial	Total
Credits	02	01	03
Contact Hours	02	01	03
Internal Assessment Marks	25	-	25
End Term Exam Marks	50	-	50
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 5 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Capital market: Need and structure; Types of capital market: Primary and secondary market; Functions of primary and secondary market; Financial instruments in Indian capital market.	12	

II	Regulation of Indian capital market: The Securities Exchange Board of India- Constitution, role of SEBI in regulating primary and secondary market; Investor protection and grievance redressal.	11
III	Stock Exchanges in India: Origin, role and functions; Listing of Securities: Concept, merits & demerits, listing requirements, procedure.	11
IV	Depository System in India: Role, function, dematerialisation of securities; Recent trends in Indian capital market.	11
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
<ul style="list-style-type: none"> ➤ Theory: 25 Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 7 Mid Term Exam 13 		50
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Bhole L.M., Financial Markets and Institutions, Tata McGraw Hill, Delhi. • Kanuk, Alan R., Capital Markets of India, Wiley Finance • Khan M.Y., Indian Financial System, Tata McGraw Hill, Delhi. • Machi Raju, H.R., Working of Stock Exchanges in India, Wiley Eastern Ltd., New Delhi. • Pathak Bharti V., The Indian Financial System, Pearson Education. • Raghunathan V., Rajib Prabina, Stock Exchanges, Investments and Derivatives, Tata McGraw Hill, New Delhi. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	IV		
Name of the Course	Corporate Accounting -II		
Course Code	B23-COM-401		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	CC-10		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the methods of shares and goodwill. 2. understand the basics of debentures and valuation of debentures. 3. understand and prepare the accounts of banking and insurance companies. 4. understand and prepare the accounts of holding companies and accounting treatment of liquidation of companies. 		
	5*.		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Valuation of shares: Concept, need, factors affecting and methods of share valuation; Valuation of goodwill: Concept, factors affecting and methods of Goodwill valuation.	15	

II	Debentures: Concept, features and types; Provisions related to issue of debentures, utilization of debenture capital, role and status of debenture holders in company, purchase of own debentures; Valuation of debentures: Concept, need, factors affecting and methods of debenture valuation.	15
III	Concept and accounting treatment of banking companies; Concept and accounting treatment of insurance companies.	15
IV	Accounts of holding companies: Preparation of consolidated balance sheet with one subsidiary company, relevant provisions of Accounting Standard 21; Liquidation of companies: Concept, need, types, process and accounting treatment.	15
V*	-	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
➤ Theory: 30		70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Gupta, Nirmal, Corporate Accounting, Sahitya Bhawan, Agra. • Jain, S.P. and K.L. Narang Corporate Accounting, Kalyani Publishers, New Delhi. • Maheshwari S.N. and S. K. Maheshwari, Corporate Accounting, Vikas Publishing House, New Delhi. • Mukherjee, S., & Mukherjee, A., Corporate Accounting. (1st Ed.). New Delhi: Oxford University • Sehgal Ashok and Deepak Sehgal, Corporate Accounting, Taxman Publication, New Delhi. • Shukla M.C., T.S. Grewal, and S.C. Gupta, Advanced Accounts, Vol.-II., S. Chand & Co., New Delhi. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	IV		
Name of the Course	Income Tax Law-II		
Course Code	B23-COM-402		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-11		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the deductions from gross total income of individuals, HUFs and firms. 2. compute the total income and tax liability of individuals, HUFs and Firms. 3. understand the filing of returns and working of Income Tax department. 4. understand the assessments, defaults and consequences. 		
	5*.		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	03 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Deductions from Gross Total Income: Deductions (including rebates) applicable to individuals, HUFs and Firms u/s 80C to 80U for computation of total income.		15

II	Computation of total income and tax liability of individuals, HUFs (including alternate tax regime) and total income & tax liability of firms; Authorities in income tax administration	15
III	Filing of returns: Types of returns (including online filing of return), deduction of tax at source, advance payment of tax; Recovery and refund of tax.	15
IV	Assessments, defaults and consequences: Types of Assessments (including e- Assessment), Penalties, offences and Prosecutions, Appeals (including Faceless) and Revisions, Tax Planning and saving techniques.	15
V*	-	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam
➤ Theory: 30		70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Gaur and Narang, Income Tax Law & Practice, Kalyani Publishers, Jalandhar. • Girish Ahuja and Ravi Gupta, Systematic Approach, C.C.H. India Publications, New Delhi. • Mehrotra H.C., Income Tax Law & Account, Sahitya Bhawan Publications, Agra. • Prasad, Bhagwati, Income Tax Law & Practice, Wishwan Prakashan, Bhopal. • Singhania V.K., Student's Guide to Income Tax, Taxmann Publications Pvt. Ltd., New Delhi. 		
Journals:		
<ul style="list-style-type: none"> • <i>Income Tax Reports</i>. Company Law Institute Pvt. Ltd., Chennai. • <i>Taxman</i>. Taxman allied Services Pvt. Ltd., New Delhi. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	IV		
Name of the Course	Entrepreneurship Development		
Course Code	B23-COM-403		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-12		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. understand the development of entrepreneurship as a field of study and as a profession. 2. comprehend the MSMEs in the development of the Indian economy. 3. analyze the business decisions involved in starting a new business venture. 4. determine the institutions supporting entrepreneurs. <p>5*.</p>		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	03 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Entrepreneurship: Concept, importance, factors influencing entrepreneurship; Entrepreneur: Concept, characteristics, qualities, functions, classification of Entrepreneurs; Relationship between entrepreneurship and management; Process of entrepreneurship development; Role of Entrepreneurship in economic development; Motivations to become entrepreneur.	15	
II	Entrepreneurship Development and MSMEs: Concept, registration process, benefits of registration; MSMEs-As a	15	

	nascence of Entrepreneurship; Start up and Skill India: Concept, steps and need; Role of modern technology in developing MSME; Role of MSMEs in the economic development.	
III	Identifying business opportunity: Concept and steps; Sources of ideas and information; Developing creativity and innovation; Contents of business project report; Project Appraisal: Feasibility study- preparation of feasibility reports, economic, technical, financial and managerial feasibility of project; Selection of factory location; Demand analysis and market potential measurement; Capital and project costing; Working capital requirements; Source of finance; Profit and tax planning.	15
IV	Institutions supporting entrepreneurs: Government support and incentives to new enterprises; Promotional agencies and institutions in entrepreneurship development; Central Govt. supporting institutions: SSIB, NABARD, SIDO, NSIC, SIDBI, NBMSME, KVIC, NISIET; State Govt. supporting institutions: SFCS, SSIDC, TCO; Non-Govt. supporting institutions and their role.	15
V*	--	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam 70
➤ Theory: 30		
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Desai Vasant. Small-Scale Industries and Entrepreneurship, Himalaya Publishing House, • Hisrich R D and Peters M P, Entrepreneurship, Tata McGraw-Hill. • Kaulgud Aruna, Entrepreneurship Management, Vikas Publishing House, Delhi. • Kuratko & Hodgetts, Entrepreneurship – Theory, Process and Practices, Thomson Learning. • Rabindra N. Kanungo, Entrepreneurship and Innovation, Sage Publications, New Delhi. • S.S. Khanka, Entrepreneurial Development, S. Chand & Co. Ltd., Ram Nagar, New Delhi. 		

* Applicable for courses having practical component.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	V		
Name of the Course	Cost Accounting		
Course Code	B23-COM-501		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-13		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	Nil		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Illustrate the understanding of theoretical framework of basics of cost accounting and be able to classify the manufacturing cost of products. 2. Apply the knowledge and skills to control material and labor costs. 3. Understand the procedure of allocation, apportionment and absorption of overheads. 4. Integrate the Cost Accounting Techniques in various Industries. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hours	-	-
Part-B Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Cost Accounting: Nature, scope, principles, functions, methods and techniques, advantages and limitations; Installation of costing System;		16

	Role of cost accountant; Elements of cost; Cost concepts and classification.	
II	Accounting for Material and Labour: Material planning and purchasing; Storage and issue of material; Pricing of material issues; Material control: Concept, objectives and techniques; Treatment of material losses; Labour cost: Composition and control procedure; Concept and treatment of labour turnover; Idle time; Overtime and fringe benefits; Methods of wage payment: Time and piece rate; Incentive schemes.	16
III	Overheads: Concept, classification, allocation, apportionment and absorption of overheads; Under and over absorption of overheads: Unit costing; Job and Batch costing.	14
IV	Methods of Costing: Contract costing; Process costing (process losses, joint and by-products); Service costing (Transport); Cost control and Cost Reduction.	14
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
<ul style="list-style-type: none"> ➤ Theory 30 Class Participation: 05 Seminar/Presentation/Assignment/Quiz/Class Test etc.: 10 Mid Term Exam: 15 		70
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Agarwal, M.L. and Gupta, K.L. Cost Accounting Sahitya Bhawan Publications, Agra • Arora, M.N. Cost Accounting – Principles and Practice. Vikas Publishing House, New Delhi. • Jain, S.P. and K.L. Narang. Cost Accounting: Principles and Methods. Kalyani Publishers, Jalandhar. • Lal, Jawahar. Cost Accounting. Tata McGraw Hill Publishing Co., New Delhi. • Maheshwari, S.N. and S.N. Mittal. Cost Accounting: Theory and Problems. Shri Mahabir Book Depot, New Delhi. • Mittal, D.K. and Luv Mittal. Cost Accounting. Galgotia Publishing Co., New Delhi. • Nigam, B.M. Lall and I.C. Jain. Cost Accounting: Principles and Practice. Prentice Hall of India, New Delhi. • Shukla, M.C., T.S. Grewal and M.P. Gupta. Cost Accounting: Text and Problems. S. Chand & Co. Ltd., New Delhi. 		

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	V		
Name of the Course	Goods & Services Tax		
Course Code	B23-COM-502		
Course Type:(CC/MCC/MDC/ CCM/DSEC/VOC/DSE/PC/AEC/VAC	CC-14		
Level of the course	300-399		
Pre-requisite for the course(if any)	Nil		
Course Learning Outcomes(CLO)	<p>After completion of the course, learners will be able to:</p> <ol style="list-style-type: none"> 1. Understand the rationale of Goods and Services Tax (GST) and registration procedures. 2. Learn Taxable event, Levy & collection of GST. 3. Know the Input tax credit mechanism. 4. Gain insights on various GST returns and Payment of tax. <p>5*. Get practical exposure to GST provisions relating to registration, payment of GST, filing of various GST returns and refund application and generating E-way bills</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Internal Assessment Marks	20	10	30
End-Term Exam Marks	50	20	70
Exam Time	3 Hrs.	3 Hrs.	-
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 5 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			

Part-B Contents of the Course		
Unit	Topics	Contact Hours
I	GST structure, registration and exemptions: Constitutional framework of indirect taxes before GST; Major defects in the structure of indirect taxes prior to GST; Rationale for GST; Structure of GST(SGST,CGST,UTGST& IGST); GST council; GST network; State compensation mechanism, Registration: Nature, persons liable, threshold limit, procedure.	12
II	Levy and collection of GST: Taxable event –scope, forms and nature of supply; Time and place of supply, value of supply, exempt supplies, small supplies, zero rated supply; Composition levy Scheme; HSN/SAC classification; Composite and mixed supplies; ECO operators.	11
III	Input tax credit & tax invoice: Eligibility conditions, apportionment of credit, blocked credits; Tax credit in respect of capital goods and in special circumstances, transfer of input credit (input service distribution); Doctrine of unjust enrichment; Reverse charge mechanism; Job work tax invoice; Credit and debit notes; E- Way bills.	11
IV	Miscellaneous and special provisions: GST returns – types of returns, monthly returns, annual returns and final return – due dates for filing of returns final assessment; Accounts and audit under GST, payment of tax; Appeals, offences & penalties.	11
V*	Practical Exposure to GST: Online GST registration demonstration; Payment of GST by electronic ledger: electronic liability register, electronic credit ledger, electronic cash ledger; Types of GST returns, Annual Return and Reconciliation Statement, Filing a refund application, Generating E-way bills.	30
Suggested Evaluation Methods		
Internal Assessment:		End Term Exams:
➤ Theory 20		
Class Participation	5	Theory:50 Practicum:20
Seminars/Presentations/Assignments/Quiz/Class Test etc.	5	
Mid-Term Exams	10	
➤ Practicum 10		
Class Participation	NA	
Seminars/Presentations/Assignments/Quiz/Class Test etc.	10	
Mid-Term Exams	NA	

**Part-C Learning
Resources**

Recommended Books/E-Resources/LMS:

- Ahuja, Girish and Gupta, Ravi, GST & Customs Law. Flair Publications Pvt. Ltd., Delhi.
- Babbar, Sonal, Kaur, Rasleenand Khurana, Kritika. Good sand Service Tax (GST) and Customs Law. Scholar Tech Press, New Delhi.
- Bansal, K.M., GST & Customs Law. Taxmann Publication, Delhi.
- Mittal, Naveen, Goods & Services Tax and Customs Law. Cengage Learning India Pvt. Ltd., Delhi.
- Mehrotra H.C, Indirect Taxes, Sahitya Bhavan Publications, New Delhi
- Singhania, V. K and Singhania, Monica, Students guide to GST and Customs Law Taxmann Publication, Delhi.

Open Resources

<https://www.gst.gov.in/>

<https://www.cbic.gov.in>

<https://idtc.icai.org/gst-topic-wise-study-material->

<list.html><https://www.gst.gov.in/>

<https://www.gstindia.com/links/>

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	V		
Name of the Course	Industrial and Labour Laws		
Course Code	B23-COM-503		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-15		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	Nil		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Have thorough knowledge of Labour Laws prevalent in India. 2. Develop an understanding of implications of labour laws on industrial relations. 3. Understand the compliance to labour laws and social security provisions. 4. Critically evaluate the need of labour and industrial laws in an establishment. 		
	5*		
Credits	Theory	Tutorial	Total
	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Labour Laws: History, need, purpose, classification of Labour Laws in India, Regulatory framework, fundamental rights and industrial relations, Article 14: Equality before Law, Article 16: Equality of Opportunity in public employment, Article 19(1)(c): Right to association & union, Article 23 & 24: Right against exploitation, equal pay for equal work; Social security provisions; New labour codes: Need, objectives, features,	16	

	proposals, code on wages 2019, code on social security 2020, industrial relation code 2020.	
II	Labour Welfare & Law of Industrial Relations: The Factories Act, 1948: Approval, licensing and registration, health, safety and welfare measures of employees, provisions regarding employment of adults, women and children in factories; The Contract Labour (Regulation and Abolition) Act, 1970; The Industrial Disputes Act, 1947: Definitions, authorities, procedure to settle disputes; Trade Union Act: Provisions, authorities, registration, amalgamation and dissolution.	15
III	Law of Wages: The Payment of Wages Act, 1936: Definitions, methods of computing and fixing wages; The Minimum Wages Act, 1948; Payment of Bonus Act, 1965: Definition of accounting year, allocable surplus, available surplus, eligibility and disqualification of bonus, computation of bonus, power of inspectors, penalties and offences.	14
IV	Laws of Social Security: The Employees' State Insurance Act, 1948; The Employees' Provident Fund Act 1952: Definitions, pension scheme, superannuation, employee pension fund scheme, employee deposit linked insurance scheme, determination and recovery of money due from employer, penalties; The Gratuity Act, 1972: Objectives, coverage, employer's obligations, benefits; Overview of Sharam Suvidha portal; ESIC portal; EPFO portal.	15

Suggested Evaluation Methods

Internal Assessment:	End Term
Theory 30	Exam:
Class Participation	70
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10
Mid Term Exam	15

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Ghosh, Piyali, Shefali Nandan, Industrial Relations and Labour Laws, McGraw Hill.
- Kapoor, N.D., Elements of Industrial Laws, S. Chand & Sons.
- Kumar, H.L., Compliances under Labour Laws, Universal Law Publishing Co.
- Moshal, B.S., Business and Industrial Laws, Ane Books Pvt. Ltd.
- Srivastava, S.C., Industrial Relations and Labour Laws, Vikas Publishing House.
- Tulsian, Business and Industrial Laws, Tata Mc-Graw Hill Education.

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	VI		
Name of the Course	Management Accounting		
Course Code	B23-COM-601		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-16		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	Nil		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Illustrate the understanding of theoretical framework of management accounting. 2. Apply the knowledge and skills to ascertain relevant information from Financial Statements. 3. Understand the cost controlling procedures. 4. Apply accounting in managerial decision making. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hours	-	-
Part-B Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Management Accounting: Concept, nature, scope, functions, techniques and role in decision-making; Comparison between financial accounting, Cost Accounting and Management Accounting; Analysis of Financial Statements: Concept, objectives, types of financial statements analysis;		15

	Techniques of Analysis: Comparative Financial Statements, Common-size Statements, Trend analysis.	
II	Ratios analysis: liquidity, solvency, profitability and turnover; Fund flow and cash flow statements: Need, objectives and methods of preparation.	15
III	Budgeting: Concept, objectives, merits and limitations; Essentials of budget administration; Types of Budgets: Functional budgets, Fixed and flexible budgets; Standard costing: Concept of standard cost and standard costing, advantages, limitations and applications; Variance Analysis: Concept, material and labour.	15
IV	Absorption versus variable costing: Concept, important terms, distinctive features and income determination; Cost-Volume-Profit Analysis, Break-even analysis, Angle of incidence, Margin of safety, determination of cost indifference point; Responsibility accounting: Concept, significance, types of responsibility centers; Divisional performance measurement: Financial and non-financial measures; Transfer pricing; Management reporting: Concept, needs, types and essentials of good report.	15
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination: 70
➤ Theory 30		
Class Participation	05	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam:	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Agarwal, M.L and Gupta K.L. Management Accounting, Sahitya Bhawan . • Arora, M.N. <i>Management Accounting</i>. Vikas Publishing House, New Delhi. • Brigham, E.F.and Houston, J. F.: Fundamentals of Financial Management, Cengage, New Delhi. • Charles T. Horngren, Gary L. Sundem, Dave Burgstahler, Jeff O. Schatzberg. • Garrison H., Ray and Eric W. Noreen. <i>Managerial Accounting</i>. McGraw Hill. • Goel, Rajiv, <i>Management Accounting</i>. International Book House, H.V • Khan, M.Y. and Jain, P.K. <i>Management Accounting</i>. McGraw Hill Education • Maheshwari, S.N. and S.N. Mittal. <i>Management Accounting</i>. Shree Mahavir • <i>Management Accounting</i>. Dorling Kindersley(India) Pvt. Ltd. • Singh, S. K. and Gupta Lovleen. <i>Management Accounting – Theory and Practice</i>. • Singh, Surender. <i>Management Accounting</i>, Scholar Tech Press, New Delhi. 		

Session 2026-2027			
Part – A Introduction			
Subject	Commerce		
Semester	VI		
Name of the Course	Auditing		
Course Code	B23-COM-602		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-17		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	Nil		
Course Learning Outcomes (CLO)	After completing the course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the meaning and nature of Auditing. 2. Learn various types of Audit & its relevance. 3. Evaluate the duties and responsibilities of auditors. 4. Apply due diligence with professional ethics. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hours	-	-
Part-B Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Auditing: Concept, nature, objectives, scope, advantages and disadvantages; Types of audit: Internal audit, external audit, proprietary audit and efficiency audit; Audit process; Audit programme; Audit and book; Audit evidence and working papers; Pre audit preparation; Audit of e-commerce transactions; Difference between audit & investigation.		16
II	Methods of audit work: Internal checking system, test checking, routine checking, internal control, audit procedure; Vouching: Concept, objectives and importance; Vouching of cash book, purchases book, sales book, bill receivable book and bills payable book.		14

III	Journal proper and debtor: Creditor ledgers, verification of assets and liabilities; Audit of limited companies; Company Audit: Appointment of auditor, powers, duties and liabilities; Divisible profits and dividend; Auditor's report: Cleaned and qualified report; Process of removing objections.	16
IV	Directions of Comptroller and Auditor general of India; Audit reports: Concept, importance, types; Investigation: Concept, nature, procedure and objectives, investigation and due diligence; Professional ethics of auditing; Concept of CAAT (Computer Assisted Audit techniques).	14
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory 30		70
Class Participation	05	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resource		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Gupta, Kamal and Ashok Gupta, Fundamentals of Auditing, Tata McGraw Hill. • Kapoor, N.D., Auditing, S Chand, New Delhi. • Saxena, R.G., Principles and Practice of Auditing, Himalaya Publishing House, New Delhi. • Spicer and Pegler, Auditing: Khatalia's Auditing • Tandon, B.N., Practical Auditing, S. Chand Company Ltd. 		

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	VI		
Name of the Course	Business Statistics		
Course Code	B23-COM-603		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-18		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the conceptual framework of statistics and choose appropriate measure of central tendency and illustrate the knowledge of dispersion in decision making. 2. Illustrate and apply the knowledge of correlation analysis and linear regression analysis in various business and economic decisions. 3. Understanding the construction and application of index numbers to real life situations. 4. Apply the knowledge of time series analysis in decisions involving forecasting in various types of economic activities. <p>5*.</p>		
	Theory	Tutorial	Total
Credits	03	01	04
Contact Hours	03	01	04
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hrs.	-	-
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Introduction to statistics: concept, scope, functions, utility and limitations of statistics; Measurement of central tendency; Measures of dispersion: range and inter-quartile		14

	range, quartile deviation, mean deviation, standard deviation and coefficient of variation.	
II	Correlation analysis: concept, simple, multiple and partial correlation, linear and non-linear, scatter diagram, Karl Pearson's co-efficient of correlation, Spearman's rank correlation, concurrent deviation, probable and standard errors; Linear regression analysis: meaning, difference between correlation and regression, methods of calculation of regression, properties of regression coefficients; Standard error of estimate.	14
III	Index numbers: methods of constructing Index numbers, problems in construction of Index numbers; Tests of consistency of index numbers; Chain indices; Base shifting, splicing and deflating of index numbers; Uses and construction of cost of living using index numbers.	16
IV	Analysis of time series: components; Decomposition of time series: additive and multiplicative models; Determination of trend: graphic method, moving and semi-average average method and method of least squares (including linear second degree, parabolic, and exponential trend).	16
V*	----	
Suggested Evaluation Methods		
Internal Assessment:		End Term Exam 70
➤ Theory: 30		
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Gupta S.P., <i>Business Statistics</i>, Sultan Chand Publications, New Delhi. • Hooda, R.P., <i>Introduction to Statistics</i>, Macmillan, New Delhi. • Lewin and Rubin, <i>Statistics for Management</i>, Prentice-Hall of India, New Delhi. • Sancheti, D.C. and Kapoor, V.K., <i>Statistics (Theory, Methods & Application)</i>, Sultan Chand & Sons, Delhi. • Hooda, R.P., <i>Statistics for Business & Economics</i>, Vikas Publications, New Delhi. • Hoel & J Assen, <i>Basic Statistics for Business and Economics</i>; John Wiley and Sons, New York. • Gupta, S.C. and Gupta Indira, <i>Business Statistics</i>; Himalaya Publishing House, New Delhi. 		

Session 2026-2027			
Part-A Introduction			
Subject	Commerce		
Semester	VI		
Name of the Course	Business Environment of Haryana		
Course Code	B23-COM-604		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC	CC-M6		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	Nil		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the economy of Haryana. 2. Know the problems and challenges of business environment in Haryana. 3. Learn the various sources of agriculture credit. 4. Understand the role of MSMEs and other institutions in the development of economy of Haryana. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Exam Time	3 Hours	-	-
Part-B Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics		Contact Hours
I	Business environment: Concept and types; Haryana economy: Nature, characteristics and problems; Concept of economic		15

	development; Haryana economy since its inception: Income, population, health & nutrition and sex ratio.	
II	Haryana agriculture: Nature, cropping pattern, role of agriculture in Haryana economy, measures for development in agriculture; Crop Insurance: concept and process of MSP determination, FPOs.	14
III	Agriculture credit: Agriculture finance- Concept and types; Credit needs of farmers; Sources of credit: Institutional and non-institutional sources; NABARD; Rural indebtedness: Causes, consequences and debt relief measures.	16
IV	Industrial growth in Haryana: Role of HSIDC, development of Industrial parks, SEZs and industrial corridors in Haryana, Sector wise growth (Automobiles, pharmaceuticals, textiles, IT and agriculture-based industries); Industrial problems and challenges; Industrial financial institutions in Haryana.	15
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
<p>➤ Theory 30</p> <p>Class Participation. 05</p> <p>Seminar/Presentation/Assignment/Quiz/Class Test etc. 10</p> <p>Mid-Term Exam: 15</p>		70
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> ● Booklet on Haryana Economy, Dept. of Economic and Statistical Affairs, Govt. of Haryana. ● Economic Survey of Haryana, Dept. of Economic and Statistical Affairs, Govt. of Haryana. ● Harvinder Kaur and Mandeep Singh, Economic Development Of Haryana, Deep & Deep Publications Pvt. Ltd. ● Haryana Development Report by Planning Commission, Govt. of India, Academic Foundation, New Delhi. ● Laxmi Narayan and Kavita Bhambu Kaswan, Haryana Economy: Patterns, Potentials and Prospects, White Falcon Publishing. ● Varinder Sharma, Agricultural Development in Punjab and Haryana, L.G. Publishers. 		

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VII		
Name of the Course	Organizational Behaviour		
Course Code	B23-COM-701		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	CC-H1		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand conceptual framework of OB and apply the knowledge of personality in the context of organizations. 2. Understand the behavior of individuals in organizations in terms of learning, attitude and perception. 3. Interpret and make use of the key concepts with regard to group behaviour and transactional analysis. 4. Comprehend conflicts and change management in organizational context. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Organizational behaviour: Concept, significance, relationship with other disciplines; Approaches to organizational behaviour; challenges and opportunities for organizational behaviour; Personality: Concept, determinants and theories; Big five personality traits, The Myers Briggs type indicators, self theory, personality traits influencing OB; Psycho-analytical, Social learning, situation strength, traits activation; other	16	

	personality traits influencing OB; Implication of personality for managers.	
II	Learning: Concept, process, principles; Theories of Learning: classical, operant conditioning, social, cognitive; Learning through reinforcement; Organizational behavior in learning organization; Attitude: Concept, components, formation, changing of attitude, work related attitude; Perception: Concept, process perceptual selection, factors influencing perception, perceptual organization and interpretation, perceptual distortion, attribution process; Implication of perception for managers.	14
III	Foundations of group behavior: Group dynamics- Concept, functions, type of groups, group dynamics norms, role, status, size of leadership, composition proxemics, stages of group development; Group cohesiveness; Group decision making; Transactional analysis: Concept, scope, components and benefits of transactional analysis.	15
IV	Organizational conflicts: Concept, types and sources of conflict, conflict process, functional and dysfunctional aspects of conflicts, levels of conflict, conflict management and negotiations; Management of change: Concept, causes of change, types of planned and unplanned change, resistance to change, models of managing planned change; organizational development: Concept, benefits, process, effectiveness and limitations, techniques, Action research organization development and change model.	16
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory	30	70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Aswathappa, K.: Organizational Behaviour, Himalaya Publishing House, New Delhi. • Griffin R. W and Moorhead, G. Organizations Behavior: Managing people and organizations, Cengage Learning (South- Western). • Luthans, Fred: Organizational Behaviour, McGraw-Hill, New York. • Nahar, A., Rao PCK, Kumar, N.R.: Organizational Behaviour, Sultan Chand & Sons, New Delhi. • Prasad, L.M.: Organizational Behaviour, Sultan Chand & Sons, New Delhi. • Robbins & Stephen, Judge Timothy and Vohra Neharika: Organizational Behavior, Pearson India Education, New Delhi. • Subba Rao, P.: Organizational Behaviour (Text, Cases, Games), Himalaya Publishing House, New Delhi. 		

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VII		
Name of the Course	Financial Management		
Course Code	B23-COM-702		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	CC-H2		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Know the scope and recent developments of financial management. 2. Develop financial plans for businesses. 3. Know long term and short term investment decisions methods. 4. Learn dividend decisions and models of dividend. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Financial Management: Nature, significance, objectives and scope; Functions of finance executive in an organization; Time value of money.	15	
II	Financial forecasting; Concept, benefits and techniques; Sources of finance; Financial planning: Need, importance, process and drafting a financial plan; Cost of Capital: Concept, Significance, computation of cost of capital- simple and weighted; Recent developments in financial management.	15	
III	Capital structure: Concept, determinants and theories; Capital Budgeting Decisions: Nature, importance, factors influencing capital	15	

	expenditure decisions, Evaluation criteria and risk analysis; Capital rationing.	
IV	Working Capital Management and Control: Need, types & determinants, assessment of working capital requirements; Management of cash; Marketable securities; Receivables; Dividend decisions: Concept, types of dividend, dividend policies, determinants of dividend decisions, theories of dividend, dividend practices in India.	15
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory	30	70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Hampton: Financial Decision Making, Prentice Hall of India, New Delhi. • Khan, M. Y. and Jain, P.K.: Financial Management, Tata McGraw Hill, New Delhi. • Pandey, I.M. Financial Management, Vikas Publishing House, Delhi. • Prasanna, Chandra: Financial Management, Tata McGraw Hill, New Delhi. • Kishore, Ravi M.: Financial Management Taxmann Publications Pvt. Ltd., New Delhi. • Sinha, Pradip Kumar: Financial Management, Excel Books, New Delhi. • Van, Horne: Financial Management and Policy, Prentice Hall of India, New Delhi. 		

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VII		
Name of the Course	Indian Business Environment		
Course Code	B23-COM-703		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	CC-H3		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand concept and nature of Business Environment. 2. Acquaint environmental scanning and economic planning. 3. Develop an understanding of various economic and technological policies pertaining to business environment. 4. Familiarize with legal aspects of Indian Business Environment. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Business environment: Concept, nature, importance and types of environments; Changing dimensions of business environment; Interaction matrix of different environment factors; Organisational and Environmental scanning: Concept, objectives, process and techniques; Economic planning in India: Success and failure.	15	

II	Economic system; Salient feature of Indian economy; Liberalisation; Privatization; Globalization; Disinvestment in public sector units; NITI Ayog- concept, significance, objectives and machinery; Business ethics; Corporate governance; Social responsibility of business; Social audit.	15
III	Fiscal policy; Monetary policy; Industrial policy; Industrial licensing policy; EXIM policy; Industrial sickness; Development and protection of small-scale industry; Technology transfer.	15
IV	The environment (Protection) Act; Consumer Protection Act; Competition Act; Foreign Exchange Management Act; Intellectual Property Law in India.	15
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory	30	70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Akhileshwar Pathak: Legal Aspects of Business. New Delhi: Mc Graw Hill Education. • Arya, P. P. and Tandon, B. B.: Economic Reforms in India, Deep and Deep Publishers, New Delhi. • Aswathappa, K: Essentials of Business Environment, Himalaya Publishing House, New Delhi. • Cherunilam Francis: Business Environment, Himalaya Publishing House, New Delhi. • Economic Survey – Various Issues, Govt. of India, Ministry of Finance. • Justin Paul: Business Environment, Tata McGraw Hill, New Delhi. • Mishra and Puri: Economic Environment of Business, Himalaya Publishing House, New Delhi. • Rosy Joshi and Sangam Kapoor: Business Environment, Kalyani Publishers, New Delhi. • Saleem Saikh: Business Environment, Himalaya Publishing House, New Delhi. • Sengupta, N.K: Government and Business in India, Vikas Publication, New Delhi. 		

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VII		
Name of the Course	Business Valuation		
Course Code	B23-COM-704		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	DSC-H1		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the concept of valuation. 2. Critically evaluate the approaches of business valuation. 3. Gain insights on valuation of assets and liabilities. 4. Apply the valuation techniques in Merger & Acquisition. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Valuation: Understanding value, nature and scope of valuation, types, objectives, determination of value; Business Valuation: Concept, elements, importance, valuation approaches, choice of approach, fair market value, adjustment, efficient market hypothesis, impact of capital structure on the market value of the company.	16	
II	Discounted cash flow valuation: Concept, assumptions, importance, advantages, procedure and application; Asset Valuation:	14	

	Determining book value, adjustment in book value, factors in assets valuation; Valuation of Assets & Liabilities: Valuation of fixed assets, valuation of investments.	
III	Valuation of intangibles assets: Concept, criteria for identification, valuation, Issues in valuation; Valuation of brands: Concept, need, steps, approaches; Valuation of intangibles capital: Concept, need, components, approaches; valuation of liabilities.	14
IV	Valuation of Merger & Acquisition: Concept, forces driving M&A activities, theories, estimating merger gains and costs, challenges in merger process, valuation of M&A, legal procedure, takeover defences; Restructuring: Meaning, broad areas, techniques, implications.	16
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory	30	70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Moshal, B.S. -Business and Industrial Laws, Ane Books Pvt. Ltd. • Kumar, H.L. -Compliances under Labour Laws, Universal Law Publishing Co. • Kapoor, N.D. -Elements of Industrial Laws, S. Chand & Sons. • Ghosh, P. and Nandan, S.- Industrial Relations and Labour Laws, McGraw Hill. • Srivastava, S.C. -Industrial Relations and Labour Laws, Vikas Publishing House. • Tulsian, P.C.- Business and Industrial Laws, Tata Mc-Graw Hill Education. 		

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VII		
Name of the Course	Strategic Management		
Course Code	B23-COM-705		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	DSC-H1		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Get the knowledge of strategic management process and develop strategic vision, mission, and objectives of business. 2. Understand the various level of strategy along with available generic strategic alternatives. 3. Learn the strategic choice making process. 4. Understand the various issues involved in strategic implementation along with the process and techniques of strategic evaluation and control. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Strategy: Concept, characteristics, importance and levels; Strategic decision making: Concept, significance and approaches; Strategic management process; Developing a strategic vision, mission and setting objectives.	15	

II	Strategy formulation: Environmental appraisal: Concept and components of environment; Analyzing the external (general and industry) environment; Organizational appraisal; Dynamics of internal environment, methods and techniques of organizational appraisal; Porter' generic strategies.	15
III	Strategy alternatives: Stability, expansion, retrenchment and combination strategies; Variations strategy: Internal and external alternatives, related and unrelated alternatives, horizontal and vertical alternatives; Competitive business strategy, Cost leadership focus and differentiation strategy, international level strategic alternatives; Strategic choice: Process, choice models, managerial factors.	15
IV	Strategy implementation: Challenges of change and organizational learning; Strategy and structural decisions; Behavioural issues in implementation; Operational decisions in implementation; Strategic evaluation and control: Need, process and techniques; Strategic issues in technological era; Strategic management for new entrepreneurial ventures.	15
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory	30	70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Bhattacharya S.K. and Venkataramia N.: Managing Business Enterprises: Strategies, Structure and Systems, Vikas Publishing House, N. Delhi. • Ferrel Lucas and Luck: Marketing Strategy, Dryden Press. • Gupta, C. B., Strategic management- Text and Cases, S. Chand and CO. New Delhi. • Jauch and Glueck: Business Policy and Strategic Management. Tata McGraw Hill, N. Delhi. • Kazmi, Azhar: Business Policy, Tata McGraw Hill Publishing Co. Ltd., N. Delhi. • Miller, Alex: Strategic Management, Irwin McGraw Hill, Boston. • Thompson, Arthur A. : Strategic Management, Tata McGraw Hill, N. Delhi. 		

Session 2026-2027			
Part A – Introduction			
Subject	Commerce		
Semester	VII		
Name of the Course	Business Research Methods		
Course Code	B23-COM-706		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	PC-H1		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Formulate research problem and identify variables. 2. Develop an understanding of various research designs. 3. Demonstrate knowledge of research process by undertaking a literature review. 4. Interpret results generated from data analysis and report the findings. 5. * Apply statistical techniques using statistical softwares. 		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Exam Time	3 hours	3 hours	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 5 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Business research: Concept, significance, categories-basic, applied; Types of research: Analytical, applied, conceptual, empirical, experimental, casual; Approaches to research: Quantitative, qualitative, longitudinal, cross sectional; Methods vs methodology; Research Problem: Concept, selection, defining research questions, formulation of research problem, framing of research hypothesis, developing research plan.	12	
II	Research process: Concept, steps; Research design: Concept, significance, types – Descriptive, exploratory, conclusive,	11	

	experimental; Variables: Meaning, need, types; Measurement: Scales of measurement; Likert's scale: Concept, types; Reliability; Validity: concept, types; Literature Review: Concept, process, types-traditional, conceptual, narrative, systematic, critical, Meta-analysis; Citation; Referencing (APA style).	
III	Sampling: Concept, need, types, characteristics of a good sample; population vs sample; types of errors; Data collection and analysis: Types, tabulation, approaches; Questionnaire, interview, observation, experimentation, survey methods, case study method; Hypothesis Testing: Concept, process, types, t- test, z-test (single, two populations and paired sample); Test of Association: Chi Square test; ANOVA; Multiple Regression Analysis; Factor analysis.	11
IV	Interpretation of data: Concept and techniques; Report writing: Significance, types of reports, Layout of a good report, Precautions in report writing; Writing a research proposal: Purpose, nature, evaluation, content, format, considerations, presentation; Research ethics: concept; need, principles, ethical issues in research.	11
Practicals		Contact Hours
V*	Applications of questionnaire analysis, hypothesis testing: T-test, Z-test, chi square test, ANOVA (one factor and two factors) using statistical softwares, report writing.	30
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70 Theory: 50 Practicum: 20
➤ Theory	30	
• Class Participation:	5	
• Seminar/presentation/assignment/quiz/class test etc.:	5	
• Mid-Term Exam:	10	
➤ Practicum	10	
• Class Participation:	-	
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
• Mid-Term Exam:	-	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Adhikari, D. & Pandey, D. L., Business Research Methods, Asmita Publications. • Bajpai, N., Business Research Methods, Pearson Education, India. • Cooper, Donald & Schindler, S., Business Research Methods, McGraw Hill, Indian Edition. • Kale, N.G., & Ahmed, M., Business Research Methods, Vipul Prakshan. • Karunakarna, K., Business Research Methods –Text and Cases, Himalaya Publishing House. • Malhthora, K. Naresh, Marketing Research, Pearson. • Nargundkar, R., Marketing Research: Text and Cases, McGraw Hill Publication. • Sekran, Uma, Research Methods in Business, Goodreads. 		

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VII		
Name of the Course	Retailing		
Course Code	B23-COM-707		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	CC-HM1		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing the course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the conceptual framework and organisational structure in retailing. 2. Understand various decisions involved in store location and planning. 3. Comprehend the ways retailers use marketing tools and techniques to interact with their customers. 4. Recognize and understand the retail pricing, operations-oriented policies, methods, and procedures. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Retailing: Concept, characteristics, importance, functions, theories, emerging trends in retailing; Evolution of retailing in India; History of retail institution; Contribution of retailing to Indian economy; Globalization of retailing; Indian retailing scenario; Organizational environment in retail sector, factors behind the change of Indian retail industry; Retail formats: Retail institutions by ownership, retail institutions by store-based strategy mix, web, non-store based, e-retailing and other forms of non-traditional retailing; e-retailing strategies.	16	

II	Retail market segmentation; Store location: Trading-area analysis, characteristics of trading areas, site selection, types of locations, location and site evaluation; Store planning: Design & layout, retail image mix, Effective retail space management, atmospheric, human resource management.	14
III	Retail marketing: Retail marketing mix, advertising & sales promotion, and store positioning; Customers services; Retail merchandising: Buying organization formats and processes, devising merchandise plans, shrinkage in retail merchandise management.	16
IV	Merchandise pricing: Concept, pricing objectives, determinants, types of pricing, pricing strategies; Retail operation: Elements, store administration, store manager responsibilities, management of retail outlet/store, store maintenance, store security; Application of IT to retail marketing; Retail market segmentation; Consumerism and ethics in retailing; Retail market segmentation; FDI in retail international retailing.	14
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory	30	70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Berman Berry and Evans J.R., Retail Management- A Strategic Management Approach, Pearson Education, New York. • Bush Robert, G.H., and Gresham Larry, Retailing, Houghton Mifflin Company, Boston. • Chetan Bajaj, Rajnish Tuli and Nidhi Varma Srivastava, Retail Management, Oxford University Press. • Cullen & Newman: Retailing Environment & Operations, Cengage Learning • Harjit Singh: Retail Management, S. Chand Publication • Levy Michael, Weitz Barton, Retailing Management, V Edition, Tata McGraw Hill, New York. • Michael Levy, Borton & Lauren Skinner Beitelspacher- McGraw Hill Education, New Delhi • Pradhan Swapna, Retailing Management-Text and Cases, II Edition, Tata Mc Graw Hill, India. 		

Session 2026-2027			
Part A – Introduction			
Subject	Commerce		
Semester	VIII		
Name of the Course	Human Resource Management		
Course Code	B23-COM-801		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	CC-H4		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the concept of Human Resource Management in Indian and Global context. 2. Learn about manpower planning, recruitment and selection process. 3. Gain insights of HR Development and career planning. 4. Develop the understanding of performance appraisal and compensation decisions. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Human resource management: Concept, evolution, scope and importance, objectives and functions; Qualities, role and functions of human resource manager; HRM in dynamic environment; Flexi working hours; Work from home policy; Human resource policies; Human resource planning; Job analysis.	16	
II	Recruitment; Selection; Induction and placement; Work force mobility: Promotion, demotion, transfer and separations.	14	

III	Training; Executive development; Career planning and development; Job evaluation; Quality of work life.	16
IV	Performance and potential Appraisal; Compensation management; incentives and employee benefits; Personnel records & HR audit; International human resource management; Job satisfaction.	14
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory	30	70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Armstrong, M. Handbook of HRM Practice. USA: Kogan Page. • Ashwathhapa K.– Human Resource management McGraw hills. • Basak, S. P. Human Resource Management: Text & Cases.: Pearson. • Mamoria, C.B., S.V. Gankar, Personnel Management: Himalaya Publication. • Dessler, G. Human Resource Management. New Delhi: Prentice Hall. • Rao VSP, Human resource management, Excel Publishers. • Rao, P. Subba. Essentials of Human Resource Management & Industrial Management: Text & Cases. New Delhi: Himalaya Publication. 		

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VIII		
Name of the Course	Fraud Investigation and Forensic Accounting		
Course Code	B23-COM-802		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	CC-H5		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the fraud red flags and basic fraud examination concepts. 2. Critically evaluate the various kinds of corporate frauds. 3. Comprehend the concept of forensic accounting in context of corporate frauds. 4. Gain insights about forensic accounting techniques and legal issues. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Financial Crimes: Meaning, prevalence, fraud triangle; Types of financial crimes-fraud, bribery, corruption, money laundering, terrorism financing; Types of fraud-accounting fraud, asset misappropriation, consumer fraud, corporate frauds, data theft/cyber frauds, securities frauds, tax fraud; Channels of financial crime: In-person, over the phone, digital channels, banking system, cross channels; Similarities between fraud, theft and embezzlement; White collar crime.	16	
II	Fraud detection & prevention: Definition, mechanism; Red flags: Concept, classification, types, techniques: Horizontal & vertical analysis, ratio analysis, surprise audits; Perception of Detection;	14	

	Approaches to fraud prevention; Fraud Investigation: definition, axioms, methodology, difference between fraud investigation; financial statement audit.	
III	Forensic Accounting: Introduction, meaning, evolution, scope, difference between fraud examination and forensic accounting; roles and responsibilities of fraud examiners; Role and responsibilities of forensic accountants; Forensic accounting process: Initialisation, development of plan, collection of evidences, interviewing and interrogation, analysis and reporting.	16
IV	Forensic accounting techniques: General, statistical, digital/electronic forensics, data mining; Forensic accounting and Legislations: IT Act, 2000, Prevention of Money Laundering Act 2002, Government enforcements.	14
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory	30	70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Gupta, S., Corporate Frauds and their Regulation in India, Bharat Law House Pvt. Ltd. • Mark, J., & Nigrini, Forensic Analytics Methods and Techniques for Forensic Accounting, Willey Publishers. • Kranacher, M. J. and Riley, R.- Forensic Accounting and Fraud Examination, Wiley Publishing. • Golden, T. and Salak, S.- A Guide to Forensic Accounting Investigation, Wiley Publishers. 		

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VIII		
Name of the Course	International Business		
Course Code	B23-COM-803		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	CC-H6		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Develop an understanding of changing dynamics of international business. 2. Understand MNCs and theoretical dimensions of international trade 3. Analyze the significance of different regional economic integration and international economic organizations. 4. Familiarize with foreign exchange market. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	International business: Nature, importance and scope; Framework for analyzing international business environment: Geographical, economic, socio-cultural, political and legal environment; Internationalization stages and orientations; International product life cycles; Modes of entry into international businesses; Technology transfers: importance, types and issues.	15	
II	Multinational corporations: nature, types and role; Foreign investment: Nature, types and barriers; Tariff and non-tariff barriers; Theories of international business; Balance of payments (BOP).	15	

III	Regional economic co-operation: Concept, types and rationale, Structure and functioning of EU, USMCA, ASEAN, SAFTA; International economic institutions: WTO, UNCTAD, IMF, World Bank; Generalized system of preferences; International commodity agreements.	15
IV	Foreign exchange markets: Nature, participants; Foreign exchange rate: Concept, determinants; Exchange rate systems: Fixed and floating, soft peg, crawling peg, free float, managed float; Exchange rates arrangement in India; Foreign exchange risks and exposures: Types and management.	15
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory	30	70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Alan, M. Rugman and Richard, M. Hodgetts: International Business, Pearson Publication, New Delhi. • Arya, P. P. and Tondon, B. B.: Economic Reforms in India; Deep and Deep, New Delhi. • Cherunilam Francis, International Business: Texts and Cases, Himalaya Publishing House, New Delhi. • Daniels Radebaugh Sullivan: International Business Environments and Operations, Pearson Publication, New Delhi. • Griffin, R. W. & Pustay, M. W. (2015). International Business: A Managerial Perspective. Pearson. • Menipaz, E., Menipaz A. and Tripathi S.S. International Business: Theory and Practice. • Michael, R. Czinkota; Llkka, A. Ronkainen; and Michael, H. Moffet: International Business, Thomason Publication, New Delhi. • New Delhi. Sage Publications India Pvt. Ltd • Robert Grosse and Duane Kujawa: International Business, Irwin Publication, New Delhi. • Saleem Saikh, Business Environment, Himalaya Publishing House, New Delhi. • Sundaram Anant, K. and Black, J. Stewart: The International Business Environment, Prentice Hall of India, New Delhi. • Tayeb Monis H.: The Global Business Environment – An Introduction, Sage Publication, New Delhi. • Vyuptakesh Sharan: International Business: Concepts, Environment and Strategy, Pearson Publication, New Delhi. 		

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VIII		
Name of the Course	Corporate Governance & Sustainability		
Course Code	B23-COM-804		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	DSC-H2		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the concept of corporate governance through Indian and International models. 2. Know about the legal framework of corporate governance and disclosure practices. 3. Gain insights about CSR and Sustainability. 4. Apply sustainability approach in reporting and framing of indices. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Framework of Corporate Governance: Concept, need, evolution, theories; Corporate governance and Arthashastra; Developments in India; Committees on corporate governance; Listing agreement; Voluntary guidelines; Elements of good corporate governance; Legislative framework in India: Board structure, composition board, board committees, powers; Disclosure and transparency; Mandatory and non-mandatory requirements; Disclosure under SEBI guidelines.	15	
II	Board Committees: Need, types-mandatory committees, audit committee, nomination and remuneration committee, CSR	16	

	committee, risk management committee; Corporate governance & stakeholders: Stakeholder concept, engagement, analysis, types; Rights of shareholders, protection of minority shareholders, shareholder activism; Role of institutional investors in corporate governance; Whistle blower policy; Insider Trading; corporate governance forums: National foundation for corporate governance, OECD, global corporate governance forum, international corporate governance network, European corporate governance institute, The Asian corporate governance association, corporate secretaries International association.	
III	Corporate Social Responsibility: Concept, need and fundamentals of CSR; Approaches to CSR; Companies (CSR Policies) Rules, 2014 & 2021 (Amended); Corporate Citizenship; CSR assessment; CSR and philanthropy, National voluntary guidelines; Sustainability: Sustainable development, role of business in sustainable development; Corporate Sustainability & CSR.	15
IV	Corporate sustainability reporting framework: GRI guidelines; CSR reporting frameworks; Sustainability indices; ESG index; Sustainability Reporting- meaning, benefits, developments, role of government; Contemporary Developments: Kyoto protocol; Bali Roadmap; Integrated reporting, Environmental reporting.	14
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory	30	70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Aggrawal Sanjay K., Anand Manoj, Corporate Social Responsibility in India: Cases and Developments After the Legal Mandate, Springer. • Aggrawal Sanjiv, Corporate Governance: Concept & Dimensions; Snow White Publications Pvt. Ltd. • Balasubramanian, N., Law of Corporate Governance: Principles & Perspectives, Snowwhite Publications Pvt. Ltd. • Kotler, P., & Nancy, Lee, Corporate Social Responsibility, Wiley-India Edition, New Delhi. • Mallin, Christine A., Corporate Governance (Indian Edition), Oxford University Press, Nw Delhi. • Mathur, U.C., Corporate Governance and Business Ethics (Text and Cases), Macmillan, India. • Sharma, J.P., Corporate Governance, Business Ethics & CSR, Ane Books Pvt Ltd, New Delhi. 		

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VIII		
Name of the Course	Advertising and Personal Selling		
Course Code	B23-COM-805		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	DSC-H2		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the nature and importance of advertising. 2. Prepare Ad Copy and media planning. 3. Comprehend the conceptual framework of personal selling. 4. Learn skills to execute various stages of personal selling. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Advertising: Concept, nature and importance; Advertising and communication; Types of advertising; Advertising management process; Social and economic aspects of advertising; Advertising objectives and budget.	16	
II	Copy development and testing: Determining advertising message and copy headlines, body, copy logo, illustration, creative styles and advertising appeals; Media planning: Print, broadcasting and other media; Media selection and scheduling; Advertising agency and client relationship; Evaluating advertising effectiveness – Pre and post-tests.	14	
III	Personal selling: Concept, nature, objectives, and importance; Salesmanship: Concept, objectives, importance and types; Types of	16	

	selling situations and salesperson, qualities of an effective salesperson; Career opportunities in personal selling; Differences among personal selling, salesmanship, and sales force management; Theories of selling; Buyer-seller dyad.	
IV	Buying motives and their uses in personal selling; Personal selling process: Prospecting: Concept and methods, pre-approach, approach, sales presentation, objection handling, closing the sale, follow-up actions/after sale services; Approaches to personal selling; Sales reports and sales manuals; Role of IT in personal selling; Ethical issues in personal selling.	14
Suggested Evaluation Methods		
Internal Assessment:		End Term
➤ Theory	30	Examination:
Class Participation	5	70
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Aaker, D.A. and Myers, J.G.- Advertising Management, Prentice Hall, New Delhi. • Batra, R., Myres, J.G. and Aaker, D.A.- Advertising Management, Prentice Hall, New Delhi. • Chunawala, S. A.- Sales Management with Personal selling and salesmanship, Himalaya Publishing house. • Davis, J.J.-Advertising Research, Prentice Hall, New Delhi. • Johnston, M. and Marshall, G.-Churchill/Ford/Walker's Sales Force Management, McGraw Hill, Singapore. • Gupta, C. B.- Personal selling and salesmanship, Scholar Tech Press, MKM Publishers. • Norris, J. S.- Advertising, Prentice Hall, New Delhi. • Stanton, W.J. and Shapiro, R.- Management of A Sales Force, McGraw Hill, Singapore. 		

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VIII		
Name of the Course	Stock Market Operations		
Course Code	B23-COM-806		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	PC-H2		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand Investments and securities market. 2. Comprehend about the Stock exchanges functioning and indices. 3. Gain insights on foreign stock exchanges. 4. Know about mutual fund trading and recent developments. 5. *Develop skills on practical aspects of stock market operations. 		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Exam Time	3 hours	3 hours	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 5 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Fundamentals of Investment: Concept, investment process, features, types of investors, investment alternatives; Securities market in India: Concept, functions, types, intermediaries; Primary Market: Concept, role, methods of flotation of capital, investor protection, recent trends in primary market, SEBI guidelines for primary market; Secondary Market: Concept, organization regulatory framework for stock exchanges in India, defects in working of Indian stock exchanges, SEBI measures for secondary market.	12	
II	Listing of securities: Merit and demerits, listing requirements, procedure, fee, listing of right issue, bonus shares, further issue,	11	

	delisting procedure; DEMAT: Concept, opening requirements, type of brokers; Stock market terminologies: Stock split, market trends, crash, types of trading, types of order, correction, dividend, circuit, bad delivery, short delivery, intraday trading, margin trading, rolling statement, clearance statement.	
III	Indian Stock Exchanges: BSE-different trading systems, share groups, BOLT system, types of settlements, pay in and pay out, auction; NSE-market segments, NEAT system, market types, DEMAT settlement, institutional segment, funds settlement, auction, OTSEI-need, features, participants, listing procedure, trading and settlement, factors; Overview of foreign stock exchanges: NYSE & NASDAQ- trading players, role of specialist, trading and technology procedure.	11
IV	Stock market indices: Concept, purpose, considerations in developing index, methods (weighted aggregate value method, weighted average of price relative method), stock market indices in India-BSE SENSEX, NSE indices- S&P, CNX Nifty, scrip selection criteria; Mutual funds: History, organization, types of mutual fund schemes, Net Assets Value (NAV), Role of AMCs in mutual funds, mutual fund companies in India, prospects, recent developments	11
Practical		Contact Hours
V*	Discuss the following with live session demonstration, hands on practice session and through case studies <ul style="list-style-type: none"> • DEMAT – opening and trading. • How to apply for IPO. • Intraday trading strategy. • Delivery and settlement procedure. • Virtual Trading. • Visit to NSE/BSE. • Compute NAV of a mutual fund. • Analyse various schemes of Mutual Funds and compute exit load. 	30
Suggested Evaluation Methods		
Internal Assessment: 30 <ul style="list-style-type: none"> ➤ Theory 20 <ul style="list-style-type: none"> • Class Participation: 5 • Seminar/presentation/assignment/quiz/class test etc.: 5 • Mid-Term Exam: 10 ➤ Practicum 10 <ul style="list-style-type: none"> • Class Participation: - • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: - 		End Term Examination: 70 Theory: 50 Practicum: 20

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- Ahuja, N. L., Dawar, V., & Arrawatia, R. Corporate finance, PHI Learning Pvt. Ltd.
- Damodaran, A. Investment Validation: Tools and Technique for Determining value of any assets, John Wiley & Sons.
- Chandra, P.- Investment Analysis and Portfolio Management, Tata McGraw Hill.
- Goel, S. Financial Markets, Institutions and Services, PHI learning.
- Gitman, L.J. and Joehnk, M.D.- Fundamentals of Investing, Pearson.
- Kumar, Vinod and Nangia, Raj Sethi, Investing in Stock Markets, Anne books.
- Madura, Jeff, Personal Finance, Pearson.
- Pandian, P. —Security Analysis and Portfolio Management. Vikas Publishing House, New Delhi.
- Ranganatham, M., & Madhumathi, R. —Security Analysis and Portfolio Management, Pearson Education, India.
- Rustagi, R. P. Investment Management Theory and Practice, Sultan Chand & Sons.
- Singh J.K. and Singh A.K. —Investing in Stock Markets, A K Publications, Delhi.
- Tripath V. & Pawar N. —Investing in Stock Markets, Taxmann Publications.

Session 2026-2027			
Part A - Introduction			
Subject	Commerce		
Semester	VIII		
Name of the Course	Supply Chain Management		
Course Code	B23-COM-807		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	CC-HM2		
Level of the course (as per Annexure-1)	400-499		
Pre-requisite for the course (if any)	NIL		
Course Learning Outcomes (CLO)	After completing the course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the conceptual framework of supply chain management. 2. Appreciate the role of SCM and its relationship with marketing mix. 3. Comprehend the role of SCM in value delivery 4. Be familiar with the operational and technologies used in SCM. 		
Credits	Theory	Tutorial	Total
	3	1	4
Contact Hours	3	1	4
Internal Assessment Marks	30	0	30
End Term Exam Marks	70	0	70
Exam Time	3 hours	-	-
Part B- Contents of the Course			
Instructions for Paper-Setter			
<p>Note: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist of 7 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.</p>			
Unit	Topics	Contact Hours	
I	Supply Chain Management: Concept, scope and importance in business operations; SCM vs Physical distribution approach - Differences and similarities; Evolution of SCM; Integrating inbound and outbound logistics: Strategies, techniques and benefits; Customer focus in Supply Chain: Understanding customer needs, enhancing customer satisfaction through SCM; SCM and profitability.	16	
II	Coordination function of SCM: Inter-functional & Inter-corporate Cooperation; SCM and total cost concept: Cost components, cost minimization strategies; SCM and marketing mix: Product, price, place, promotion integration; SCM's Influence on marketing	14	

	strategies; Systems approach to SCM: Holistic view, benefits and challenges.	
III	Marketing Channels: Functions, types, and role of channel members in SCM; Integrating marketing channels with marketing mix; Marketing channels and retailing strategy; Supply chain as value delivery system: Creating and delivering value, enhancing customer experience; Vendor relationships and distribution channel design.	16
IV	Customer service: Strategy and practices developing effective customer service; Integration for Efficiency: Transportation and logistics, selecting the right mode, multimodal transportation and documentation; Warehousing and material handling: Types and site selection; Order processing and management; SCM and information technology: IT-enabled SCM; ERP, JIT, and quality management; Third party logistics (3PL): Overview and benefits; Supply chain management in the Indian environment.	14
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination:
➤ Theory	30	70
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	
Part C-Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Bowersox D.J. & Closs D.J., Logistics Management, McGraw-Hill International Editors. • Chadwick and Shan Rajagopal, Strategic Supply Chain Management, Butterworth Heinemann. • Gattorna J.L. & Walters D.W., Managing the Supply: A Strategy Perspective, McMillan Business. Glaskowsky NA, Business Logistics, Dryden Press, Ohio, U.S. • Heskett James, Business Logistics, Physical Distribution and Materials Management. Ronald Press. • Sahay B.S., Supply Chain Management: For Global Competitiveness, 1st Ed. McMillan India Pvt. Ltd., New Delhi. • Stern LW, El-Ausary Adell and Caughlan Al, Marketing Channels, Prentice Hall of India, New Delhi. • Sunil chopra and Peter Meindl, Supply chain management – strategy, planning and operation, PHI. 		

KURUKSHETRA UNIVERSITY, KURUKSHETRA
(Established by the State Legislative Act XII of 1956)
(“A+” Grade, NAAC Accredited)

Scheme of Examination of MSc (HONS) 5-year INTEGRATED in Economics Semester 9th to Semester 10th w.e.f. Session 2024 - 25, Under Choice Based Credit System/LOCF in phased manner for the regular students of Institute of Integrated and Honors Studies, K.U. Kurukshetra

Semester	Course Code		Course Name	Credit	Teaching Hour per week	Scheme of Examination			Time
						Internal Assessment	Theory (External)	Total Marks	
9 th Sem	CC-21	IN-ECX-901	Advanced Econometrics	4	4	20	80	100	3
		IN-ECX-902	Advanced Econometrics (P)	2	2	10	40	50	3
	CC-22	IN-ECX-903	Labour Economics	4	4	20	80	100	3
		IN-ECX-904	Labour Economics-(P)	2	2	10	40	50	3
	CC-23	IN-ECX-905	Computer Applications in Economics-II	4	4	20	80	100	3
		IN-ECX-906	Computer Applications in Economics-II (P)	2	2	10	40	50	3
	DSE-6	IN-ECX-907	Information Economics	4	4	20	80	100	3
		IN-ECX-908	Information economics-(P)	2	2	10	40	50	3
	Or								
	DSE-6	IN-ECX-909	Auction theory & Economic Applications	4	4	20	80	100	3
IN-ECX-910		Auction theory & Economic Applications-(P)	2	2	10	40	50	3	
Total				24.	24	120	480	600	

10 th Sem	CC-24	IN-ECX-1001	Welfare Economics	4	4	20	80	100	3
		IN-ECX-1002	Welfare Economics-(P)	2	2	10	40	50	3
	DSE-7	IN-ECX-1003	Comparative Economics development	4	4	20	80	100	3
		IN-ECX-1004	Comparative Economics development-(P)	2	2	10	40	50	3
	Or								
	DSE-7	IN-ECX-1005	Operations Research	4	4	20	80	100	3
		IN-ECX-1006	Operations Research-(P)	2	2	10	40	50	3
	CC-25	IN-ECX-1007	Dissertation or Project	10	10	200	50	250	3 Months
	CC-26	IN-ECX-1008	Comprehensive Viva	2	2	20	30	50	3
	Total			24	24	280	320	600	

*Workload=1 Hour of teaching/2 hours of practical work=25 marks

*GE: Generic Elective@ 6 credits. Available in English only(As per respective Department)*CC:

*Core courses are fourteen @ 6 credits per semester.

*OE- Open Elective

*SEC: Skill Enhancement Course is four. @ 2 credits per semester, (As per respective Department)

*DSE: Discipline Specific Elective are four @ 6 credits per semester. Available in Sem. 5 & Sem. 6

*General elective may be other than economics.

MASTER OF SCIENCE ECONOMICS (Honors)
5-year integrated course

PROGRAMME OUTCOMES (POs) for MSc honors course of Economics

- 1- To develop skills in graduate students so that they are able to acquire theoretical and practical knowledge about economics, economy, economic behavior, economic policies and economic institutions and economic problems.**
- 2- To inculcate ability in students for critical thinking, lateral thinking about economic phenomena, problems and policies so as to create professional potential in them**
- 3- To create awareness on ethical issues, good business practices, and ecology economics interface**
- 4- To development ability in youth for understanding basic economic rationality and effective communication skills**
- 5- To prepare youth for career in teaching, industry, government organizations and self-entrepreneurship**
- 6- To make students aware of natural resources, sustainable use and environment**
- 7- To provide learning experience in students that instills deep interest in economic science for the benefit of society.**

PROGRAMME SPECIFIC OUTCOMES (PSOs) for MSc course in Economics (Honors)

PSO1: demonstrate the knowledge and understanding of economic science i.e. vital processes of economy, consumer and producer behavior at micro level and macro level.

PSO2: critically think and correlate the economics knowledge with decision-making with regard to economic planning and economic policies, understanding of conflicts, tradeoffs, and welfare implications of economic measures to improve the quality of life in person as well as of community.

PSO3: demonstrate an understanding of the principles, methods of economic analysis in static and dynamic terms, analysis of economic data

PSO4: concise and meaningful writing and reporting, effective presentation skills, and ability to work productively in a group with co-operation

**Master of Science Economics (Honors) 5-Years Integrated
Advanced Econometrics
Semester-IX
CC-21 IN-ECX-901**

External Marks: 80

Internal Marks: 20

Total Marks: 100

Credits: 4

Time: 3hours

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (16 marks each)

Content	Learning objectives
<p>UNIT-I (i-a) Simple and general Linear Regression Model : Assumptions, Estimation (OLS method)</p> <p>(i-b) Gauss –Markov theorem, functional forms of regression models</p>	<p>(i-a) Objective is to introduce the students about the assumptions, estimation of linear regression models.</p> <p>(i-b) Objective is to acquaint the students with the best, linear unbiased estimators of OLS and different functional forms of regression models</p>
<p>UNIT-2 (ii-a) Concepts and analysis of Variance approach and its application in regression Analysis; Testing the significance of Parameters in Multiple Regression Analysis</p> <p>(ii-b) Testing the significance of Parameters in Multiple Regression Analysis</p>	<p>(ii-a) Objective is to make students' exposure to the concept to analysis of variance and its application in regression analysis</p> <p>(ii-b) Testing the significance of Parameters in Multiple Regression Analysis</p>

<p>UNIT-3</p> <p>(iii-a) Nature , test ,consequences and remedial steps of problems of heteroscedasticity , autocorrelation</p> <p>(iii-b) Nature, test , consequences and remedial steps of problems of multi- collinearity. Problems of specification errors ,Errors of Measurement.</p>	<p>(iii-a) Explain the problems that arise when the assumptions of constant variance and independent explanatory variables of linear regression model violated and develop solutions to the problems that results from violating the assumptions</p> <p>(iii-b) Explain the problems that arise due to presence of autocorrelation in OLS model and develop solutions for the same. It also explain about problems of model specification and measurements</p>
<p>UNIT-4</p> <p>(iv-a) Simultaneous equation models : The simultaneous equation bias, inconsistency of OLS estimators.</p> <p>(iv-b) The identification problem ; Rules of identification ,order and rank conditions.</p>	<p>(iv-a) Aims at introducing the students about Simultaneous equation bias, inconsistency of OLS estimators</p> <p>(iv-b) Aims at introducing the students about The identification problem ; Rules of identification ,order and rank conditions.</p>

Suggested Reading List

- 1.Chow ,G.C Econometrics , Mcgraw Hill
2. Christopher ,Dougherty, Introduction to Econometrics ,Oxford University Press 2003
- 3.Gujrati,D.N Basic Econometrics Mcgraw Hill 4th ed. 2003 45(15)
4. Hansen E. Bruce Econometrics ,Uni. Of Wisconsin , www.wisc.edu/bhansen2010

5. James ,P. Lesage , Applied Econometrics Using MATLAB, Uni. Of Tokoya 1999
6. Johnston ,J ,'Econometrics Method (1922)
7. Judge ,C.G et .al. Theory and Practice of Econometrics
8. Kmenta ,Jan 'Elements of Econometrics (1971)
9. Koutsoyiannis ,Theory of Econometrics (1958)
- 10.Mandala ,G.S , Econometrics
- 11.Pollock ,Beg The Algebra of Econometrics
- 12.Wooldridge , Introductory Econometrics: A Modern Approach ,2nd ed. Thomas South Western 2003 (W)

**Master of Science Economics (Honors) 5-Years Integrated
Advanced Econometrics (P)
Semester-IX
Practical Presentation (Written/Oral)
CC-21 IN-ECX-902**

External Marks: 40

Internal Marks: 10

Total Marks: 50

Credits: 2

Time: 3hours

Work practice

(OLS estimation of parameters, Runs for Autocorrelation, Multicollinearity)
SPSS/MATLAB/STATA

OVERVIEW OF OUTCOMES (CC-21 IN-ECX-901 and CC-21 IN-ECX-902)

Advanced Econometrics

After the successful completion of the course, the students will be able to

Course Objective:

CC-21 IN-ECX-901 and 902.1	After this course students will be able to gain the theoretical understanding of the Linear Regression and OLS with its applications.
CC-21 IN-ECX-901 and 902.2	Objective is to make students' exposure to the concept to analysis of variance and its application in regression analysis, Testing the significance of Parameters in Multiple Regression Analysis.
CC-21 IN-ECX-901 and 902.3	The students able to understand the problems that arise when linear regression model violated, due to presence of autocorrelation,

	problems of model specification and measurements.
CC-21 IN-ECX-901 and 902.4	After this course, the students will get the knowledge about Identification problem; Rules of identification, order and rank conditions.

Mapping Matrix of Course Advanced Econometrics (Theory and Practical)
Table: CO-PO Matrix for the Course **CC-21 IN-ECX-901 and CC-21 IN-ECX-902**

COURSE OUTCOMES	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO7	PO 1	PO 2	PO 3	PO4
CC-21 IN-ECX-901 and 902.1	3	3	1	2	1	2	1	3	2	2	1
CC-21 IN-ECX-901 and 902.2	3	3	2	2	1	1	2	3	2	2	1
CC-21 IN-ECX-901 and 902.3	3	3	1	3	2	1	2	3	2	2	2
CC-21 IN-ECX-901 and 902.4	3	3	1	2	2	2	1	3	2	2	1
Average	3	3	1.2 5	2.2 5	1.5	1.5	1.5	3	2	2	1.25

Suggested Reading List

1. Chow ,G.C Econometrics , Mcgraw Hill
2. Christopher ,Dougherty, Introduction to Econometrics ,Oxford University Press 2003
3. Gujrati,D.N Basic Econometrics Mcgraw Hill 4th ed. 2003 45(15)
4. Hansen E. Bruce Econometrics ,Uni. Of Wisconsin , www.wisc.edu/bhansen2010
5. James ,P. Lesage , Applied Econometrics Using MATLAB, Uni. Of Tokoya 1999
6. Johnston ,J ,'Econometrics Method (1922)
7. Judge ,C.G et .al. Theory and Practice of Econometrics
8. Kmenta ,Jan 'Elements of Econometrics (1971)
9. Koutsoyiannis ,Theory of Econometrics (1958)
10. Mandala ,G.S , Econometrics
11. Pollock ,Beg The Algebra of Econometrics
12. Wooldridge , Introductory Econometrics: A Modern Approach ,2nd ed. Thomas South Western 2003 (W)

Master of Science Economics (Honors)5-year integrated
Semester-X
Labour Economics
CC-22 IN-ECX-903

External marks:80
Internal Marks:20
Total marks:100
Credits:4
Time: 3 hours

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of 8 short answer type questions of 2 marks spread over the entire syllabus(2*8=16 marks).
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (16 marks each)

Content	Learning objectives
<p>UNIT-I (i-a) Labor Economics: Overview of labor economics: Definition, scope, and significance. Historical development of labor economics. (i-b) Basic concepts and terminology: Population, Participation Rates. Labor Quality and Investing in Human Capital.</p>	<p>i-a Define labour economics and its significance, and analyze historical developments in the field.</p> <p>i-b It is meant to give a broad and in depth view of Population, Participation Rates. Labor Quality and Investing in Human Capital.</p>
<p>UNIT-II (i-a) Theory of labor supply and demand: The Theory of Individual Labor Supply; Basic Model of The Work–Leisure Decision. The Demand for Labor; Short Run and Long Run demand for labour in Perfect and Imperfect Competitive Market (i-b) . Elasticity of labour supply and demand. Wage Determination and the Allocation of Labor: Perfectly Competitive Labour Market, Wage and Employment Determination in Monopoly in the Product Market, Monopsony.</p>	<p>i-a Understand the theory of labor supply and demand, including factors influencing individual decisions and market outcomes.</p> <p>i-b Evaluate wage determination mechanisms in different market structures and their impact on employment and wages</p>
<p>UNIT-III (i-a) Alternative Pay Schemes and Labor</p>	<p>i-a Analyze alternative pay schemes, the wage structure, and factors contributing to wage</p>

<p>Efficiency: Theory of Optimal Fringe Benefits, The Principal–Agent Problem, Efficiency Wage Payments.</p> <p>(i-b) The Wage Structure: Perfect Competition And Homogeneous Workers And Jobs. Wage Differentials And Heterogeneous Workers And Jobs. Mobility, Migration, and Efficiency: Types, Determinates and Consequences of Migration</p>	<p>differentials.</p> <p>i-b To know Labour Mobility: Types, Determinates and Consequences of Migration</p>
<p>UNIT-IV</p> <p>(i-a) Analysis of Labor Market Institutions and Policies: Labor unions, collective bargaining, minimum wage laws, labor regulations. The Economic Impact of Unions: The Union Wage Advantage, Efficiency And Productivity, Firm Profitability, Distribution Of Earnings, Inflation, Unemployment, And Income Shares.</p> <p>(i-b) Government policies and interventions in the labor market in India: Employment protection, unemployment benefits, social security schemes, labor market reforms, four labour codes. Critiques and debates surrounding labor market interventions</p>	<p>i-a Assess the role of labor market institution in shaping labor market outcomes including the impact of labor unions and interventionist measures</p> <p>i-b Assess the role of government policies in shaping labor market outcomes, including the impact of labor unions and interventionist measures</p>

LABOUR ECONOMICS-(P)
CC-22 IN-ECX-904

External marks:40
Internal marks:10
Total marks:50
Credits:2
Time: 3hours

Presentation (written/oral)

Participation Rates, The Work–Leisure Decision. The Demand for Labor; Demand for labour in Perfect and Imperfect Competitive Market, Optimal Fringe Benefits, The Principal–Agent Problem, Determinates and Consequences of Migration, Wage Differentials And Heterogeneous Workers And Jobs. Mobility, Migration, and Efficiency

OVERVIEW OF OUTCOMES (CC-22 IN-ECX-903 and CC-22 IN-ECX-904)

Labour economics

After the successful completion of the course, the students will be able to

Course Objective:

CC-22 IN-ECX-903 and 904.1	Have insight about the labor economics and its significance, Population, Participation Rates. Labour Quality and Investing in Human Capital.
CC-22 IN-ECX-903 and 904.2	Have further understanding of the theory of labor supply and demand, including factors influencing individual decisions, wage determination mechanisms in different market structures.
CC-22 IN-ECX-903 and 904.3	Have knowledge about the wage structure, and factors contributing to wage differentials, Labour Mobility: Types, Determinates and Consequences of Migration.
CC-22 IN-ECX-903 and 904.4	Have understanding about of labor market institutions and government policies in shaping labor market outcomes, including the impact of labor unions and interventionist measures.

Mapping Matrix of Course Labour Economics (Theory and Practical)

Table: CO-PO Matrix for the Course **CC-22 IN-ECX-903 and CC-22 IN-ECX-904**

COURSE OUTCOMES	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO7	PO 1	PO 2	PO 3	PO4
CC-22 IN-ECX-903 and 904.1	3	3	1	2	1	2	1	3	2	2	1
CC-22 IN-ECX-903 and 904.2	3	3	2	2	1	1	2	3	2	2	1
CC-22 IN-ECX-903 and 904.3	3	3	1	3	2	1	2	3	2	2	2
CC-22 IN-ECX-903 and 904.4	3	3	1	2	2	2	1	3	2	2	1
Average	3	3	1.25	2.25	1.5	1.5	1.5	3	2	2	1.25

Suggested Reading List

- Chakraborty, S. (2018), Labour Economics, Himalaya Publishing House Pvt. Ltd., India.
- McConnell, Campbell R., Brue, Stanley L., Macpherson, David A. (2013), Contemporary Labor Economics, Eleventh Edition, McGraw-Hill Education, 2 Penn Plaza, New York, NY 10121.
- Singh, Chandra Kant (2019), Labour Economics, Deshraj & Sons, India

**Master of Science Economics (Honors)5-year integrated
Semester-IX
Computer Applications in Economics-II
CC-23 IN-ECX-905**

**External marks:80
Internal Marks:20
Total marks:100
Credits:4
Time: 3 hours**

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of 8 short answer type questions of 2 marks spread over the entire syllabus (2*8=16 marks).
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (16 marks each)

<p>UNIT-1 Data Presentation: Role of computer in economic research; Application of MS word and MS Excel in presentation of data with Tables and Graphs and report writing, Ways of effective power point presentation.</p>	<p>After going through this unit, Students shall be able to</p> <ul style="list-style-type: none"> • process and analyze large volumes of data quickly, build economic models, and visualize data through graphs and charts.
<p>UNIT-2 Data Processing Major Sources of data in Economics; Preparation of database for analysis in a worksheet; Style of Referencing:APA Style, Harvard and MLA Style. Application of MS Word in referencing, Online Citation using Mendeley Desktop.</p>	<p>After going through this unit, Students shall be able to</p> <ul style="list-style-type: none"> • familiarize economists with the various types of data available for research, such as government databases, international organizations, surveys, and academic journals. Understanding referencing styles such as APA, Harvard, and MLA to provide economists with guidelines on how to acknowledge and cite the sources they have used in their research.
<p>UNIT-3 Data Operations Data Analysis: Preparation of Frequency Distribution, Calculation of Mean, Standard Deviation, Coefficient of Variation, Correlation Coefficient, Regression Coefficients, Trend Line using Method of Least Squares and Moving Averages. Demand, Supply, Production and Consumption function (only through MS Excel)</p>	<ul style="list-style-type: none"> • By studying these concepts through MS Excel, economists gain practical skills in data analysis and modeling, enhancing their ability to study economic phenomena and make evidence-based decisions.
<p>UNIT-4 Introduction to SPSS</p>	<ul style="list-style-type: none"> • SPSS equips economists with a valuable skill set for data analysis and enhances

<p>Getting familiar with the interface; Importing data from Excel; Creating a new data file (entering survey data); Data View and Variable View, Text Output Editor, Toolbar, Menus, Dialogue Boxes, Opening and Saving Files; Preparation of Data Files: Defining Variables – Variables Labels, Value Labels, Missing Values, Variable Types, Column Format, Measurement Level; Data Entry, Inserting and Deleting Cases and Variables.</p>	<p>their ability to conduct rigorous empirical research, explore relationships between variables, and make evidence-based decisions in their economic analysis.</p>
--	---

Computer Applications in Economics-II -(P)
CC-23 IN-ECX-906

External marks:40
Internal marks:10
Total marks:50
Credits:2
Time:3 hours

- | |
|--|
| <p>a) Regression Analysis: Estimation of Classical Linear Regression Model by Using SPSS
 b) Correlation Analysis: Estimation of Correlation by Using SPSS
 c) Estimation of growth rates and Use of OLS method in estimation of growth rates
 d) T-test, One-way ANOVA, χ^2 tests</p> |
|--|

OVERVIEW OF OUTCOMES (CC-23 IN-ECX-905 and CC-23 IN-ECX-906)
Computer Applications in Economics-II

After the successful completion of the course, the students will be able to

Course Objective:

CC-23 IN-ECX-905 and 906.1	After this course students will be able to gain the theoretical understanding of the computer and its applications
CC-23 IN-ECX-905 and 906.2	Students will be able to gain computing skills to be used in research framework.
CC-23 IN-ECX-905 and 906.3	On the application side, students will be able to utilize tools and techniques for analysis, presentation, and interpretation of research data.
CC-23 IN-ECX-905 and 906.4	After this course, the students will get the software knowledge by which they will be able to research work conveniently and efficiently.

Mapping Matrix of Course Computer Applications in Economics-II(Theory and Practical)

Table: CO-PO Matrix for the Course **CC-23 IN-ECX-905 and CC-23 IN-ECX-906**

CO#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CC-23 IN-ECX-905 and 906.1	3	3	1	2	1	2	1	3	2	2	1
CC-23 IN-ECX-905 and 906.2	3	3	2	2	1	1	2	3	2	2	1
CC-23 IN-ECX-905 and 906.3	3	3	1	3	2	1	2	3	2	2	2

CC-23 IN- ECX- 905 and 906.4	3	3	1	2	2	2	1	3	2	2	1
Average	3	3	1.25	2.25	1.5	1.5	1.5	3	2	2	1.25

Suggested Reading List

1. Andy Field. Discovering Statistics Using SPSS. Sage Publications
2. Bell, J. (1993) Doing your Research Project: A Guide for First-Time Researchers in Education and Social Science, Open University Press (second edition)
3. Bryman Alan (2004), Social Research Methods, (second edition) Oxford Press Chapters 1, 2, 21, 22 and 25
4. Cameron A. C. and Trivedi P. K.(2005) Microeconometrics Methods and Applications, Cambridge University Press, Chapter 3, 24, 25 and 26
5. Darren George and Paul Mallery,SPSS for Windows Step by Step: A Simple Guide. Pearson
6. Deaton, A. (1997) The analysis of Household Surveys: A Microeconomic Approach to Development Policy, published for the World Bank by John Hopkins University Press.
7. Don Ethridge (2004) Research Methodology in Applied Economics, Second Edition, Chapters 2, 3, and 4.
8. Donald Cooper, Pamela Schindler. SPSS Windows Student Version for use with Business Research Methods. Tata McGraw Hill.
9. <https://learn.microsoft.com>
10. Julie Pallant. SPSS Survival Manual. Tata Mc Graw Hill
11. Kiran Pandya, Smruti Bulsari, Sanjay Sinha. SPSS IN SIMPLE STEPS. Wiley India.
12. Kothari C.R. (2009), “Research Methodology- Methods and Techniques”, New Age International Publishers, New Delhi.
13. Norton, Peter, “Introduction to Computers”, 2nd Ed., Tata McGraw Hill.
14. Raiyani J. R. (2012), “Research Methodology- Theory and Techniques”, New Century Publications, New Delhi

15. Sheridan J Coakes; Lyndall Steed and Peta Dzidic. SPSS for Windows – Analysis without Anguish. Wiley India.
16. Uma Sekaran (2003) Research Methods for Business: A Skills Building Approach, 4th Edition, Wiley, Chapters 1, 2 and 3

Master of Science Economics (Honors)5-year integrated
Semester-IX
Information Economics
DSE-6 IN-ECX-907

External marks:80
Internal Marks:20
Total marks:100
Credits:4
Time: 3 hours

Note:

- (iv) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (v) Question No. 1 will be compulsory and will consist of 8 short answer type questions of 2 marks spread over the entire syllabus (2*8=16 marks).
- (vi) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (16 marks each)

<p>Unit-1 Information economics-nature and scope; value of information in a non-competitive vs competitive environment; Information and management; Market information and dissemination of info; Communication channels</p>	<p>After reading this Unit students will be able to:</p> <ul style="list-style-type: none"> • perceive the value, pervasive role and importance of information in today's context of development, • distinguish the meaning, distinctive characteristics and interrelationships of data, information and knowledge,
<p>Unit-2 Nature of Information goods & services; Properties; Bundling, Pricing of Info goods; Product differentiation; Network externalities; Economies of Info exchange</p>	<p>After reading this Unit students will be able to:</p> <ul style="list-style-type: none"> • obtain a clear insight into the types and kind of information, and • discern the qualities and properties of and barriers to information.
<p>Unit-3 Information in functioning of markets-signalling, screening; Info costs and market implications; Info asymmetry; Markets of second-hand goods; Adverse selection; Moral hazards; Coase Theorem</p>	<p>After reading this Unit students will be able to:</p> <ul style="list-style-type: none"> • explain the concept of asymmetrical information; • define the problem of moral hazard resulting in the presence of asymmetric information and • understand principal agent problems.
<p>Unit-4 Information gaps and policy lags; Role of info dissemination in planning & policies; Information revolution- digital economy; Information & communication technology and Economic system</p>	<p>The objectives of this module are threefold:</p> <ul style="list-style-type: none"> • To identify existing and emerging technologies available to facilitate information dissemination. • To illustrate how information dissemination components can integrate with each other and with other components of a freeway management

	system
--	--------

Information Economics-(P)
DSE-6 IN-ECX-908

External marks:40
Internal marks:10
Total marks:50
Credits:2
Time:3 hours

Communication channels, Network externalities, Information asymmetry, Information gaps policy lags, Role of Info dissemination in planning
--

OVERVIEW OF OUTCOMES (DSE-6 IN-ECX-907 and DSE-6 IN-ECX-908)
Information Economics-(P)

After the successful completion of the course, the students will be able to
Course Objective:

DSE-6 IN-ECX-907 and 908.1	The Students able to perceive the value, pervasive role and importance of information in today's context of development, interrelationships of data, information and knowledge,
DSE-6 IN-ECX-907 and 908.2	Students will be able to gain a clear insight into the types and kind of information, and discern the qualities and properties of and barriers to information.
DSE-6 IN-ECX-907 and 908.3	The Students can explain the concept of asymmetrical information; problem of moral hazard resulting in the presence of asymmetric information and understand principal agent problems.
DSE-6 IN-ECX-907 and 908.4	After this course, the students will get to identify existing and emerging technologies available to facilitate information dissemination.

Mapping Matrix of Course Information Economics
DSE-6 IN-ECX-907 and 908

CO#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
DSE-6 IN-ECX-907 and 908.1	3	3	1	2	1	2	1	3	2	2	1
DSE-6 IN-ECX-907 and 908.2	3	3	2	2	1	1	2	3	2	2	1
DSE-6 IN-	3	3	1	3	2	1	2	3	2	2	2

ECX-907 and 908.3											
DSE-6 IN- ECX-907 and 908.4	3	3	1	2	2	2	1	3	2	2	1
Average	3	3	1.25	2.25	1.5	1.5	1.5	3	2	2	1.25

Suggested Reading List

1. Urs Birchler and Monika Butler, Information Economics: Rutledge Publication, London.
2. Hal. R. Varian , Carl Shapiro and J.Farril, The Economics of Information, Rabbaele Mattioli Lectures.
3. Carl Shapiro and Hal. R. Varian, Information Rules : A Strategic guide to the Network Economy, Harvard Business Review.

**Master of Science Economics (Honors)5-year integrated
Semester-IX
Auction theory & Economic Applications
DSE-6 IN-ECX-909**

**External marks:80
Internal Marks:20
Total marks:100
Credits:4
Time: 3 hours**

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of 8 short answer type questions of 2 marks spread over the entire syllabus (2*8=16 marks).
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (16 marks each)

<p>Unit 1 Introduction to basic auction forms, private and common values, Auction Theory- Single Object Auctions; Multiple Object Auctions; Double Auctions; Combinatorial Auctions</p>	<p>Auction Theory is an incredibly active field with many applications. It is important for both theoretical and practical reasons. On the theoretical side, the study of auctions provides one way of approaching the question of price formation. The theoretical results in auction theory can explain the existence of certain trading institutions, and perhaps can even suggest improvements in the existing institutions. Lessons from auction theory have led to important insights in many areas within economics. On the practical side, it may be noted that auctions are of considerable empirical significance. A huge volume of economic transactions is conducted through auctions. Governments use auctions to sell treasury bills, foreign exchange, mineral rights including oil fields, and other assets such as firms to be privatised. Government contracts are typically awarded by procurement auctions, and firms buying inputs or subcontracting work often use procurement auctions. Other economic transactions, for example takeover battles, are auctions in effect if not in name. The theory of auctions is closer to applications than is most of frontier mathematical economics.</p> <p>The purpose of this course is to introduce the modern game theoretic literature on</p>
<p>Unit 2 Extension of the basic model: risk averse bidders, budget constraints, asymmetries among bidders, revenue and efficiency comparison with asymmetry, resale and efficiency</p>	
<p>Unit 3 Auctions with interdependent values: introduction, common value auctions, winner's curse, affiliation, revenue and efficiency comparisons across different auction forms.</p>	
<p>Unit 4 Collusion in auctions: bidding rings and efficient collusion. Analysis of discriminatory and uniform-price auctions, discussion of Indian treasury bills auctions.</p>	

	<p>auctions. A large part of the course will deal with theoretical models. However, we will also discuss a few real world applications of auction theory. Some basic knowledge of game theory and a willingness to deal with technical issues are the main prerequisites for this course.</p>
--	---

**Auction theory & Economic Applications -(P)
DSE-6 IN-ECX-910**

External marks:40

Internal marks:10

Total marks:50

Credits:2

Time:3 hours

<p>Auction process in Indian Stock Markets: BSE & NSE, Department of Telecommunications (DoT) auctions in India, lessons from such experiences.</p>

OVERVIEW OF OUTCOMES (DSE-6 IN-ECX-909 and DSE-6 IN-ECX-910)

Auction theory & Economic Applications

After the successful completion of the course, the students will be able to

Course Objective:

DSE-6 IN-ECX-909 and 910.1	The Students able to understand theoretical results in auction theory, explain the existence of certain trading institutions, and perhaps can even suggest improvements in the existing institutions.
DSE-6 IN-ECX-909 and 910.2	Students will be able to gain a clear insight into the practical that auctions are of considerable empirical significance and Governments use auctions to sell treasury bills, foreign exchange, and mineral rights including oil fields.
DSE-6 IN-ECX-909 and 910.3	The Students can explain to introduce the modern game theoretic literature on auctions.
DSE-6 IN-ECX-909 and 910.4	After this course, the students will get to identify real world applications of auction theory. Some basic knowledge of game theory and a willingness to deal with technical issues.

Mapping Matrix of Course Auction theory & Economic Applications

DSE-6 IN-ECX-909 and 910

CO#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
DSE-6 IN-ECX-909 and 910.1	3	3	1	2	1	2	1	3	2	2	1
DSE-6	3	3	2	2	1	1	2	3	2	2	1

IN-ECX-909 and 910.2											
DSE-6 IN-ECX-909 and 910.3	3	3	1	3	2	1	2	3	2	2	2
DSE-6 IN-ECX-909 and 910.4	3	3	1	2	2	2	1	3	2	2	1
Average	3	3	1.25	2.25	1.5	1.5	1.5	3	2	2	1.25

Suggested Reading List

1. Understanding Auctions: Asuncion Mochon and Yago Saez.
2. Auction Theory- Vijay Krishna.
3. Auctions- Theory and Practice- Paul Klemperer.
4. An Introduction to Auction Theory- Flavio M. Menezes and Paulo K Monteiro.
5. Vijay Krishna (2010) "Auction Theory" (2nd edition) Academic Press, New York, USA.
6. Paul Milgrom (2004) "Putting auction theory to work" Cambridge University Press, Cambridge, U.K.
7. Paul Klemperer (2000) ed. "The economic theory of auctions" vol. I and II, Edward Elgar, Cheltenham, U.K.

All journal articles will be referred to from time to time during the lectures.

**Master of Science Economics (Honors)5-year integrated
Semester-X
Welfare Economics**

CC-24-IN-ECX-1001

External marks:80

Internal Marks:20

Total marks:100

Credits:4

Time: 3 hours

Note:

- (vii) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (viii) Question No. 1 will be compulsory and will consist of 8 short answer type questions of 2 marks spread over the entire syllabus (2*8=16 marks).
- (ix) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (16 marks each)

<p>Unit-1 Introduction to Welfare Economics</p> <p>Scope and Purpose of Welfare Economics; Positive or normative science; Assumption of Uniform Income; Utility Function of Individuals; Marginal Productivity Theory of Income Distribution; Elasticity of Factor Substitution; Technological Progress and Income Distribution; Value judgements and welfare economics; Benthamite Approach to Aggregate Welfare.</p>	<p>Unit 1 equips students with a solid understanding of the fundamental concepts and theories in welfare economics, providing a robust foundation for further exploration and analysis in subsequent units.</p>
<p>Unit-2 Marshallian Welfare Economics: Consumer's Surplus - Measurement, Difficulties involved and Criticism.</p> <p>Hicks's Surpluses: Concept of Consumer's Surplus; Principle of Compensating Variation; Consumer's Surplus and Tax-Bounty Analysis.</p>	<p>Unit 2 provides students with a comprehensive understanding of consumer welfare measurement, its challenges, and alternative approaches in welfare analysis. Through critical examination and application, students develop the analytical skills necessary for evaluating policies and understanding their impact on consumer welfare.</p>
<p>Unit-3 Optimum Resource Allocation and Welfare Maximization</p> <p>Pareto optimality – Optimum exchange conditions, The production optimum, The consumption optimum, Concept of contract curve; Pareto optimality and perfect competition; First and Second Fundamental Theorems of Welfare Economics.</p>	<p>Unit 3 provides students with a framework for understanding how optimal resource allocation contributes to welfare maximization in both exchange and production contexts. Through theoretical analysis and real-world examples, students develop the skills necessary for evaluating policy interventions and their impact on societal welfare.</p>

<p>Unit-4 Social Welfare The Scitovsky double criterion; Samuelson's utility possibility curve; Choice Functions and Revealed Preference; Social Choice; Social Welfare Function; Arrow's Impossibility Theorem.</p>	<p>Unit 4 provides students with a comprehensive understanding of social welfare and the challenges involved in making collective decisions that reflect societal preferences and values. By critically examining decision-making criteria and social choice mechanisms, students develop the analytical skills necessary for evaluating policy alternatives and their implications for societal welfare.</p>
--	---

Welfare Economics - (P)

CC-24-IN-ECX-1002

External marks:40

Internal marks:10

Total marks:50

Credits:2

Time:3 hours

<p>Utility Function of Individuals, Technological Progress and Income Distribution, Principle of Compensating Variation, Pareto optimality and perfect competition, Choice Functions and Revealed Preference</p>
--

OVERVIEW OF OUTCOMES (CC-24-IN-ECX-1001 and CC-24- IN-ECX-1002)

Welfare Economics

After the successful completion of the course, the students will be able to

Course Objective:

<p>CC-24-IN-ECX-1001 and 1002.1</p>	<p>After this course students will be able to gain a solid understanding of the fundamental concepts and theories in welfare economics.</p>
<p>CC-24-IN-ECX-1001 and 1002.2</p>	<p>Students will be able to understanding of consumer welfare measurement, its challenges, and alternative approaches in welfare analysis.</p>
<p>CC-24-IN-ECX-1001 and 1002.3</p>	<p>Students will be able to understand how optimal resource allocation contributes to welfare maximization in both exchange and production contexts.</p>
<p>CC-24-IN-ECX-1001 and 1002.4</p>	<p>Students will be able to comprehensive understanding of social welfare and the challenges involved in making collective decisions that reflect societal preferences and values.</p>

Mapping Matrix of Course Welfare Economics (Theory and Practical)

Table: CO-PO Matrix for the Course CC-24-IN-ECX-1001 and CC-24- IN-ECX-1002

CO#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CC-24-IN-ECX-1001 and 1002.1	3	3	1	2	1	2	1	3	2	2	1
CC-24-IN-ECX-1001 and 1002.2	3	3	2	2	1	1	2	3	2	2	1
CC-24-IN-ECX-1001 and 1002.3	3	3	1	3	2	1	2	3	2	2	2
CC-24-IN-ECX-1001 and 1002.4	3	3	1	2	2	2	1	3	2	2	1
Average	3	3	1.25	2.25	1.5	1.5	1.5	3	2	2	1.25

Suggested Reading List

- Boadway, R.W. & Neil, B. (1991). Welfare Economics. Wiley.
- Feldman, A. M. & Serrano, R. (2006). Welfare Economics and Social Choice Theory. Springer.
- Johansson, Per-Olov (1991). An Introduction to Modern Welfare Economics. Cambridge University Press.
- Henderson, J.M. and Quandt, R.E. (1958) Microeconomic Theory: A Mathematical Approach. McGraw-Hill Kogakusha, Tokyo.
- Little, I.M.D. (2002). A critique of Welfare Economics. Oxford University Press.
- Sen, Amartya (1997). Choice, Welfare and Measurement. Harvard University Press.

**Master of Science Economics (Honors) 5-Years Integrated
Comparative Economics Development**

Semester-X

DSE -7 IN-ECX-1003

External Marks: 80

Internal Marks: 20

Total Marks: 100

Credits: 4

Time: 3 hours

Note:

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of 8 short answer type questions of 2 marks spread over the entire syllabus (2*8=16 marks).
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (16 marks each)

Content	Learning objectives
<p>UNIT-I Britain and USA: British economy, and trends, USA economy, Role of US in world economic co-operation, Indo-US economic co-operation.</p>	<p>Unit I: (i). To analyze the historical evolution and contemporary trends of the British and USA economies, focusing on key indicators such as GDP growth, unemployment rates, inflation, and trade balances, in order to understand the factors driving their economic development. (ii). To evaluate the role of the United States in global economic cooperation, with a specific focus on its impact on international trade agreements, monetary policies, and development assistance, and to assess the implications of Indo-US economic cooperation for both countries and the broader global economy.</p>
<p>UNIT-2 Japan and China: Economic development of Japan: Agriculture, Industry; Role of entrepreneurship; Technology, China: Agriculture and trade; Cultural Revolution, and Economic Reforms.</p>	<p>Unit II: (i). To examine the contrasting paths of economic development taken by Japan and China, with a focus on the role of agriculture, industry, entrepreneurship, and technology in shaping their economies, and to analyze the factors contributing to their respective successes and challenges. (ii). To evaluate the impact of historical events such as the Cultural Revolution in China and economic reforms in both Japan and China on their economic trajectories, and to assess the implications of their development strategies for regional and global</p>

<hr/> <p>UNIT-3 USSR and East Asian Miracles: Economic development of USSR: Basic features of USSR economy, Industry & trade Indo-USSR Economic cooperation, Growth Miracle of Newly Industrialized Countries: Taiwan, South Korea and Singapore. Economy of Australia.</p> <hr/> <p>UNIT-4 Role of state in economic development (regulatory and developmental role): Britain,, USSR, and Japan, Regional Economic Integration: European Union, lessons for India</p>	<p>economic dynamics.</p> <hr/> <p>Unit III: (i). To analyze the economic structure and key features of the USSR economy, focusing on its industrial development, trade policies, and cooperation with countries like India, and to assess the impact of Indo-USSR economic cooperation on both economies. (ii). To examine the growth miracles of the newly industrialized countries (NICs) in East Asia, namely Taiwan, South Korea, and Singapore, by studying their economic policies, industrial strategies, trade patterns, and technological advancements, and to compare their development trajectories with that of Australia, analyzing the factors contributing to their economic success and the challenges they faced.</p> <p>Unit IV: (i). To examine the regulatory and developmental roles of the state in economic development, drawing comparisons between the approaches taken by Britain, the USSR, and Japan, and to analyze how state intervention policies have influenced economic outcomes in these countries. (ii). To evaluate the process of regional economic integration, with a specific focus on the European Union, by studying its historical evolution, institutional framework, trade policies, and economic implications, and to draw lessons for India regarding the potential benefits, challenges, and strategies for participating in regional economic integration initiatives.</p>
--	---

Suggested Reading List

- Alec Nove (1969) An Economic History of USSR, Penguin.
- Chalmers Johnson (1982) MITI and the Japanese Miracle: The Growth of Industrial Policy 1925-1975, Stanford University Press.
- FG Walett: An Economic History of the USA.
- GC Allen (1867-1937) A Short Economic History of Modern Japan.

- JW Hall, Peter Duus: The Cambridge History of Japan.
- Marvise Dobb (1977) Soviet Economic Development since 1917, 6th Edition, Rutledge & Kegan Paul.
- R Floud, McCloskey D: The Economic History of Britain since 1700.
- Stuart Kirby: An Introduction to Economic History of China.
- W.W. Lockwood (1966) Economic Development of Japan, Expanded edition, Princeton University Press.
- WHB Court: A Concise Economic History of Britain

Comparative Economics Development –(P)

DSE-7 IN-ECX-1004

External Marks: 40

Internal Marks: 10

Total Marks: 50

Credits: 2

Time: 3 hours

Economies of Britain and USA, Role of USA in world economic co-operation, Indo-US economic co-operation. Japan: Agriculture, Industry; Role of entrepreneurship; Technology, China: Agriculture and trade; Cultural Revolution, and Economic Reforms, Economic development of USSR: Growth Miracle of Newly Industrialized Countries: Taiwan, South Korea and Singapore, Role of State in economic development of Britain, USSR, and Japan, European Union: lessons for India

Economic News Analysis: to find recent news articles about the economies and then to summarize the articles and identify key economic indicators mentioned, such as GDP growth or unemployment rates.

Country Comparison with Poster and Charts: to research basic economic data and notable features of the above economies, and then create posters and charts comparing and contrasting the two or more countries' economic development paths.

Historical Economic Timeline: the students can create a timeline highlighting significant events in the economic development of the above economies and can include key policies, reforms, or economic milestones, along with brief explanations of their significance.

OVERVIEW OF OUTCOMES (DSE-7 IN-ECX-1003 and DSE-7 IN-ECX-1004)

Comparative Economics Development

After the successful completion of the course, the students will be able to

Course Objective:

DSE-7-IN-ECX-1003 and 1004.1	After this course students will be able to analyze the historical evolution and contemporary trends of the British and USA economies.
DSE-7-IN-ECX-1003 and 1004.2	Students will be able to understand to examine the contrasting paths of economic development taken by Japan and China.
DSE-7-IN-ECX-1003 and 1004.3	Students will be able to understand the economic structure and key features of the USSR economy and to assess the impact of Indo-USSR economic cooperation on both economies.
DSE-7-IN-ECX-1003 and 1004.4	Students will be able to examine the comparisons between the approaches taken by Britain, the USSR, and Japan.

Mapping Matrix of Course

Comparative Economics Development

(Theory and Practical)

Table: CO-PO Matrix for the Course **DSE-7 IN-ECX-1003 and DSE-7 IN-ECX-1004**

CO#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
DSE-7-IN-ECX-1003 and 1004.1	3	3	1	2	1	2	1	3	2	2	1
DSE-7-IN-ECX-1003 and 1004.2	3	3	2	2	1	1	2	3	2	2	1
DSE-7-IN-ECX-1003 and 1004.3	3	3	1	3	2	1	2	3	2	2	2
DSE-7-IN-ECX-1003 and 1004.4	3	3	1	2	2	2	1	3	2	2	1
Average	3	3	1.25	2.25	1.5	1.5	1.5	3	2	2	1.25

Suggested Reading List

- Alec Nove (1969) An Economic History of USSR, Penguin.

- Chalmers Johnson (1982) MITI and the Japanese Miracle: The Growth of Industrial Policy 1925-1975, Stanford University Press.
- FG Walett: An Economic History of the USA.
- GC Allen (1867-1937) A Short Economic History of Modern Japan.
- JW Hall, Peter Duus: The Cambridge History of Japan.
- Marvice Dobb (1977) Soviet Economic Development since 1917, 6th Edition, Rutledge & Kegan Paul.
- R Floud, McCloskey D: The Economic History of Britain since 1700.
- Stuart Kirby: An Introduction to Economic History of China.
- W.W. Lockwood (1966) Economic Development of Japan, Expanded edition, Princeton University Press.
- WHB Court: A Concise Economic History of Britain.

Master of Science Economics (Honors)5-year integrated
Semester-IX
Operations Research
DSE-7 IN-ECX-1005

External marks:80
Internal Marks:20
Total marks:100
Credits:4
Time: 3 hours

Note:

- (iv) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (v) Question No. 1 will be compulsory and will consist of 8 short answer type questions of 2 marks spread over the entire syllabus (2*8=16 marks).
- (vi) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (16 marks each)

Content	Learning objectives
<p>UNIT – I</p> <p>(i-a) Introduction to Operations Research- Historical development, The nature and meaning of OR, Management applications of OR, Role of OR in Decision making.</p> <p>(i-b) Linear programming problem- Formulation and graphical method.</p>	<p>(i-a) To provide the students with introduction on OR and its models to aid in understanding its applicability in the various functional areas of management.</p> <p>(i-b) Objective is to introduce the students about Linear programming problem</p>
<p>UNIT – 2</p> <p>(ii-a) LP Problem: Simplex method- Theory and simple applications.</p> <p>(ii-b) Transportation problem- Initial Basic Feasible Solution, North-West Corner Method (NWCM), Least-Cost Method (LCM), Vogel's Approximation Method (VAM).</p>	<p>(ii-a) To understand the concept of linear programming models & set-up simplex tables and solve LP problems using the simplex algorithm.</p> <p>(ii-b) To derive initial feasible solution using several methods in transportation problem.</p>
<p>UNIT – 3</p> <p>(iii-a) Concept of Uncertainty: Types of</p>	<p>(iii-a) To understand the steps of</p>

<p>Decisions, Components of decision making, Decision models, Decision making under uncertainty, Decision making under conflict.</p> <p>(iii-b) Concept of Utility function, Utility curve, construction of Utility curve.</p>	<p>decision making process and to make decision under various decision making environments.</p> <p>(iii-b) Aims at making the students acquainted with the concept of utility function.</p>
<p>UNIT –4</p> <p>(iv-a) Theory of Games - Characteristics of Game Theory, Basic definitions, Minimax (Maximin) criterion and optimal strategy, Saddle point, Optimal strategies and the value of Game;</p> <p>(iv-b) Project management-PERT, CPM techniques</p>	<p>(iv-a) To throw light on game models and the application of pure and mixed strategies in competitive environment.</p> <p>(iv-b) To understand the importance of using PERT and CPM techniques for project management.</p>

Operations Research (P)
DSE-7 IN-ECX-1006

External marks:40
Internal marks:10
Total marks:50
Credits:2
Time:3 hours

<p>Presentation (Written& Oral) Management applications of OR. LP Problem Construction of Utility curve. Project management-PERT, CPM techniques</p>

OVERVIEW OF OUTCOMES (DSE-7 IN-ECX-1005 & DSE-7 IN-ECX-1006)

Operations Research

After the successful completion of the course, the students will be able to

Course Objective:

DSE-7 IN-ECX-1005 and 1006.1	Obtain insight on the origin and nature of OR and also the application of various models of OR.
-------------------------------------	---

DSE-7 IN-ECX-1005 and 1006.2	Learn about the graphical, Simplex, Transportation problem methods of Linear programming problem
DSE-7 IN-ECX-1005 and 1006.3	To make decision under various decision making environments.
DSE-7 IN-ECX-1005 and 1006.4	To throw light on game models and the application of pure and mixed strategies in competitive environment.

Mapping Matrix of Course Operations Research and Practical
Table: CO-PO Matrix for the Course, **DSE-7 IN-ECX-1005.1 and 1006**

CO#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
DSE-7 IN-ECX-1005 and 1006.1	3	3	1	2	1	2	1	3	2	2	1
DSE-7 IN-ECX-1005 and 1006.2	3	3	2	2	1	1	2	3	2	2	1
DSE-7 IN-ECX-1005 and 1006.3	3	3	1	3	2	1	2	3	2	2	2
DSE-7 IN-ECX-1005 and 1006.4	3	3	1	2	2	2	1	3	2	2	1
Average	3	3	1.25	2.25	1.5	1.5	1.5	3	2	2	1.25

Readings

- 1) Vohra N.D. Quantitative techniques in management 3rd Ed , Mc. Graw Hill Co.
- 2) G. Hadley: Linear Programming. Narosa, Reprint, 2002.
- 3) G. Hadley: Linear Algebra, Narosa, Reprint, 2002.
- 4) Hamdy A. Taha: Operations Research-An Introduction, Prentice Hall, 9th Edition, 2010.

- 5) Ravindran, D. T. Phillips and James J. Solberg: Operations Research- Principles and Practice, John Wiley & Sons, 2005.
- 6) F.S. Hillier. G.J. Lieberman: Introduction to Operations Research- Concepts and Cases, 9th Edition, Tata Mc-Graw Hill, 2010.
- 7) Sharma J.K. Operations research: theory and applications, MacMillan India Ltd.
- 8) Gupta P.K, Hira D.S., Operations Research, S. Chand Publishers.

**Master of Science Economics (Honors) 5-Years Integrated
Dissertation
Semester-X
CC-25-IN-ECX-1007**

**External Marks: 200
Internal Marks: 50
Total Marks: 250
Credit: 10
Time: 3hours**

Sampling

Sampling and Sampling Designs; Data Collection: Observational Methods, Survey Research, Questionnaire Construction- Content, Types, Format, Sequence, Pitfalls and their removal

Data Analysis

The Strategy of Testing Hypotheses- Parametric and Non-Parametric Tests; Linear Regression with Multiple Variables; Communicating Research Results- Structure, Presentation, Bibliography, Foot Notes and Annexure Data analysis using MS Excel, SPSS and E views.

Reading List

- Research Methods in Social Sciences, by Chava Frankfort-Nachmias, David Nachmias and Jack De Waard,
- Research Methods in Social Sciences, by Chava Frankfort-Nachmias, David Nachmias and Jack DeWaard Chs. 5,6,7
- Research Methods for Graduate Business and Social Science Students by John Adams,
- Hafiz T.A. Khan, Robert Raeside and David White Ch.4
- Research Methods in Social Sciences, by Chava Frankfort-Nachmias, David Nachmias and Jack DeWaard, Ch. 19
- Business Research Methods by Zikmund, Babin, Carr, Griffin Ch. 25
- Basic Econometrics by D. Gujarati
- A Guide to Research Methodology- An Overview of Research Problems, Tasks and Methods by Shyama Prasad Mukherjee ch.9

Master of Science Economics (Honors) 5-Years Integrated

**Comprehensive Viva
Semester-X
CC-26 IN-ECX-1008**

**External Marks: 40
Internal Marks: 10
Total Marks: 50
Credit: 2
Time: 3hours**

The External Examiner will conduct the Comprehensive Viva.

Kurukshetra University, Kurukshetra

(Established by the State Legislature Act-XII of 1956)

(“A++” Grade, NAAC Accredited)



Scheme & Syllabus of Examination for Under Graduate Programme in ECONOMICS

as per NEP 2020

Curriculum and Credit Framework for Undergraduate Programme

Syllabi for the Subject: ECONOMICS (Semester 1st to 8th)

Choice Based Credit System (CBCS-LOCF) in accordance with NEP-2020

w.e.f. 2024-25 (in phased manner) for all affiliated colleges of KUK

**KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119
HARYANA, INDIA**

DEPARTMENT OF ECONOMICS
KURUKSHETRA UNIVERSITY, KURUKSHETRA
(Established by the state Legislature Act –XII of 1956)

Structure, Scheme of Examination and Syllabi (Semester I, II, III, IV, V, VI, VII & VIII) for the
Subject of ECONOMICS
Choice Based Credit System (CBCS-LOCF) in accordance with NEP-2020 with Multiple Entry/Exit
System
w.e.f. 2024-25 (in phased manner)
REVIESED SCHEME

List of Courses Offered in Subject of Economics for UG Programmes – Multidisciplinary (Scheme A), Major in Economics & Minor in Other Subject (Scheme B) and Single Major in Economics (Scheme C)

Se m	Course Type	Course Code	Name of Course (In the Scheme proposed by UG BOS Economics this year)	Credit s	Conta ct Hours per Week	Internal Assessm ent Marks	End Term Exam Marks	Total Marks	Duration of Exam (Hrs.)
I	CC-1 MCC- 1	B23- ECO- 101	MICRO ECONOMICS-I	4	4	30	70	100	3
I	MCC- 2	B23- ECO- 102	BASIC PUBLIC FINANCE	4	4	30	70	100	3
I	CC- M1	B23- ECO- 103	INTRODUCTORY ECONOMICS	2	2	15	35	50	3
I	MDC- 1	B23- ECO- 104	BASICS OF ECONOMICS	3	3	25	50	75	3
II	CC-2 MCC- 3	B23- ECO- 201	MACRO ECONOMICS-I	4	4	30	70	100	3
II	CC- M2	B23- ECO- 202	INTRODUCTION TO INDIAN ECONOMY	2	2	15	35	50	3
II	DSEC- 1	B23- ECO- 203	ECONOMIC SURVEY TECHNIQUES	4	5	20T+10P	50T+20P	100	3
II	MDC- 2	B23- ECO- 204	INDIAN ECONOMIC ENVIRONMENT	3	3	25	50	75	3
III	CC-3 MCC- 4	B23- ECO- 301	MICRO ECONOMICS-II	4	4	30	70	100	3
III	MCC- 5	B23- ECO-	BASIC STATISTICS FOR ECONOMICS	4	4	30	70	100	3

		302							
III	MDC-3	B23-ECO-303	CURRENT ISSUES IN GLOBAL ECONOMY	3	3	25	50	75	3
III	CC-M3	B25-ECO-304	MONEY, BANKING AND FINACE	4	4	30	70	100	3
IV	CC-4 MCC-6	B23-ECO-401	MACRO ECONOMICS-II	4	4	30	70	100	3
IV	MCC-7	B23-ECO-402	ADVANCED STATISTICS FOR ECONOMICS	4	4	30	70	100	3
IV	MCC-8	B23-ECO-403	INDIAN FINANCIAL SYSTEM	4	4	30	70	100	3
IV	DSE-1	B23-ECO-404	INDUSTRIAL ECONOMICS	4	4	30	70	100	3
IV	DSE-1	B23-ECO-405	MONEY & BANKING	4	4	30	70	100	3
V	CC-5 MCC-9	B23-ECO-501	ECONOMICS OF GROWTH & DEVELOPMENT	4	4	30	70	100	3
V	MCC-10	B23-ECO-502	DEMOGRAPHY	4	4	30	70	100	3
V	DSE-2	B23-ECO-503	ECONOMICS OF INFRASTRUCTURE	4	4	30	70	100	3
V	DSE-2	B23-ECO-504	ECONOMICS OF AGRICULTURE	4	4	30	70	100	3
V	DSE-3	B23-ECO-505	FINANCIAL ECONOMICS	4	4	30	70	100	3
V	DSE-3	B23-ECO-506	HARYANA ECONOMY	4	4	30	70	100	3
VI	CC-6 MCC-11	B23-ECO-601	INDIAN ECONOMY	4	4	30	70	100	3
VI	MCC-12	B23-ECO-602	ECONOMICS OF LABOUR	4	4	30	70	100	3
VI	DSE-4	B23-ECO-603	COMPUTER APPLICATIONS IN ECONOMICS	4	5	20T+10P	50T+20P	100	3

VI	DSE-4	B23-ECO-604	ECONOMICS OF INSURANCE	4	4	30	70	100	3
VI	DSE-5	B23-ECO-605	GENDER ECONOMICS	4	4	30	70	100	3
VI	DSE-5	B23-ECO-606	WELFARE ECONOMICS	4	4	30	70	100	3
VI	CC-M6	B25-ECO-607	FUNDAMENTALS OF ECONOMIC DEVELOPMENT	4	4	30	70	100	3
VI I	CC-H1	B23-ECO-701	MATHEMATICS FOR ECONOMICS	4	4	30	70	100	3
VI I	CC-H2	B23-ECO-702	INTERNATIONAL ECONOMICS	4	4	30	70	100	3
VI I	CC-H3	B23-ECO-703	PUBLIC ECONOMICS	4	4	30	70	100	3
VI I	DSE-6	B23-ECO-704	INTRODUCTION TO ECONOMETRICS	4	4	30	70	100	3
VI I	DSE-6	B23-ECO-705	GROWTH MODELS IN ECONOMICS	4	4	30	70	100	3
VI I	PC-H1	B23-ECO-706	ECONOMIC DATA ANALYSIS	4	8	30P	70P	100	3
VI I	CC-HM1	B25-ECO-707	Basics of Demography	4	4	30	70	100	3
VI II	CC-H4	B23-ECO-801	MATHEMATICAL ECONOMICS	4	4	30	70	100	3
VI II	CC-H5	B23-ECO-802	ENVIRONMENTAL ECONOMICS	4	4	30	70	100	3
VI II	CC-H6	B23-ECO-803	SCHOOLS OF ECONOMIC THOUGHT	4	4	30	70	100	3
VI II	DSE-7	B23-ECO-804	ECONOMICS OF HEALTH	4	4	30	70	100	3
VI II	DSE-7	B23-ECO-805	ECONOMICS OF EDUCATION	4	4	30	70	100	3
VI	PC-	B23-	APPLICATION	4	8	30P	70P	100	3

II	H2	ECO-806	SOFTWARE(S) FOR ECONOMICS						
VI II	CC- HM2	B25- ECO- 807	Economic Policy in India	4	4	30	70	100	3

LIST OF SEC (ECONOMICS) FOR UG

SR. NO.	COURSE NAME	CREDIT	SEMESTER
1.	ECONOMIC DATA COLLECTION METHOD	3	II
2.	ECONOMICS USING EXCEL	3	III
3.	UNDERSTANDING ECONOMIC SURVEY AND BUDGET	2	VI

LIST OF VOC (ECONOMICS) FOR UG

SR. NO.	COURSE NAME	CREDIT	SEMESTER
1.	INDICES IN ECONOMIC ANALYSIS	4	III
2.	UNDERSTANDING ECONOMIC POLICY	4	IV
3.	FINANCIAL LITERACY & HOUSEHOLD ECONOMICS	4	VI

The Color Code for Understanding the Courses Chosen for the Schemes

Semester	I	II	III	IV	V	VI	VII	VIII
Core Courses	CC-1 MCC-1 @ 4 Credit	CC-2 MCC-3 @ 4 Credit	CC-3 MCC-4 @ 4 Credit	CC-4 MCC-6 @ 4 Credit	CC-5 MCC-9 @ 4 Credit	CC-6 MCC-11 @ 4 Credit	CC-H1 @ 4 Credit	CC-H4 @ 4 Credit
	MCC-2 @ 4 credit		MCC-5 @ 4 Credit	MCC-7 @ 4 Credit	MCC-10 @ 4 Credit	MCC-12 @ 4 Credit	CC-H2 @ 4 Credit	CC-H5 @ 4 Credit
	CC-M1 @ 2 credit	CC-M2 @ 2 credit		MCC-8 @ 4 Credit			CC-H3 @ 4 Credit	CC-H6 @ 4 Credit
Discipline Specific Elective				DSE-1 @ 4	DSE-2 @4 credit	DSE-4 @ 4	DSE-6 @ 4 Credit	DSE-7 @ 4 Credit

courses				Credit		Credit		
					DSE-3 @ 4 Credit	DSE-5 @ 4 Credit		
Skill enhancement/ Practicum Course		DSEC-1 @4 credit					PC-H1 @ 4 Credit	PC-H2 @ 4 Credit
Vocational Course			Voc-1	Voc-2 \$ @ 4credit	Voc-3 \$@ 4credit	Voc-4 \$ @ 4credit		
Multidisciplinary Course	MDC-1 @ 3 credit	MDC- 2 @ 3 credit	MDC- 3 @ 3 credit					

	Core courses for students studying subject as Major/Minor in both schemes (Multidisciplinary and One Major-one Minor subject)
	Course only for students studying subject as Major subject
	Discipline specific Elective Courses
	Skill Enhancement/Practicum Courses of Major Subject
	Minor (Vocational) Courses. \$ To be framed only by those departments which can offer a vocational course.
	Multidisciplinary course-for students of other disciplines
	Minor Courses

Session 2025-2026			
Part-A Introduction			
Subject	Economics		
Semester	III		
Name of the Course	Money, Banking and Finance		
Course Code	B25-ECO-304		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M3		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Know the evolution and significance of money as well as monetary standards, and appreciate the theory of money supply, and demand for money. 2. Understand the system of commercial as well as central banking. 3. Elucidate the structure of financial sector and working of its various components. 4. Have understanding about foreign exchange rate mechanism, and related theories.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours Per Week	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours
I	Introduction to Money Money: Evolution, Functions, Classification and Significance; Monetary Standards; Money Supply: Determinants, and Measures; Quantity Theory of Money; Keynes' Liquidity Preference Theory.		15
II	Fundamentals of Banking Commercial Banks- Functions and Importance, Process of Credit Creation; The Reserve Banking of India: Functions and Instruments of credit control, Recent Monetary Policy of RBI.		15
III	Financial Sector Money and Capital Markets in India: Structure, Functions and Significance; SEBI: Powers and Functions; Non-Bank Financial Intermediaries- Role and Significance;		15

	Recent Financial Sector Reforms in India.	
IV	Foreign Exchange Rate Fixed and Flexible Exchange Rate: Meaning, merits and demerits, determination; Theories of Exchange Rate: Mint Par, and Purchasing Power Parity.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :10 Mid Term Exam :15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • M.K. Lewis (2000). <i>Monetary Economics</i>, Oxford University Press. • Bailey Roy (2005). <i>The Economics of Financial Markets</i>. • R.R. Paul (2008). <i>Money, Banking and International Trade</i>. Kalyani Publishers. • Cauvery R., Kruparani N., Nayak, Sudha U.K., & Manimekalai A. (2003). <i>Monetary Economics</i>. S.Chand & Company LTD., New Delhi. • Salvatore, D. (2004). <i>Introduction to international economics</i>. Wiley India. • <i>R.B.I. Bulletin, Annual Report; Report on Currency and Finance</i>. • VK Global Publication PVT LTD, Money and Banking, Delhi • VK Global Publication PVT LTD, Fundamentals of Indian Capital Markets, Delhi 		

Session 2025-2026			
Part-A Introduction			
Subject	Economics		
Semester	IV		
Name of the Course	ADVANCED STATISTICS FOR ECONOMICS		
Course Code	B23-ECO-402		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MCC		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	MCC-5 B23-ECO-302 BASIC STATISTICS FOR ECONOMICS		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Define correlation, calculate, and interpret Pearson's and Spearman's correlation coefficients, understand their properties and limitations, differentiate between correlation and causation 2. Identify dependent and independent variables, formulate regression models, estimate, and interpret coefficients using ordinary least squares, assess goodness of fit using R-squared 3. Understand, solve, and apply the problems on probability 4. Understand and apply various theoretical distributions. 5*.		
Credits	Theory	Tutorial	Total

	03	1	04												
Contact Hours	03	1	04												
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs														
Part-B Contents of the Course															
<ol style="list-style-type: none"> Nine Questions will be set in all and students will be required to attempt 5 questions. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks). For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 															
Unit	Topics	Contact Hours													
I	Correlation Analysis: Definition of correlation and its importance in economics, Types of correlation: positive, negative, and zero correlation. Methods of Studying Correlation: Scatter diagram method, Karl Pearson's coefficient of correlation (Covariance method), Two-way frequency table (Bivariate correlation method), Rank method, Concurrent deviations method; partial and Multiple Correlation (WITH 3 VARIABLES).	15													
II	Regression Analysis: Introduction to Regression Analysis: Definition and purpose of regression analysis in economics, Understanding the concept of a dependent variable and independent variable, Types of regression models: Simple and multiple linear regression. Estimating the regression coefficients: Ordinary Least Squares Method, Assessing the goodness of fit: Coefficient of determination (R-squared), Interpreting the regression coefficients and their significance.	15													
III	Concept of Probability: Approaches to probability : Classical approach, Empirical approach, Axiomatic approach; Addition Theorem Of Probability; Multiplication Theorem Of Probability: Independent and Dependent Events; Bayes's Theorem (Rule for the Inverse Probability)	15													
IV	Random Variable: Discrete And Continuous; Probability Distribution of a Discrete Random Variable; Mathematical Expectation; Binomial Distribution – Conditions, Probability Function Of Binomial Distribution, Constants Of Binomial Distribution; Poisson Distribution and its applications; properties of Normal distribution and its applications.	15													
V*															
Suggested Evaluation Methods															
Internal Assessment: 30		End Term Examination:70													
<ul style="list-style-type: none"> ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">Class Participation</td> <td style="text-align: right;">:5</td> </tr> <tr> <td>Seminar/Presentation/Assignment/Quiz/Class Test etc.</td> <td style="text-align: right;">:10</td> </tr> <tr> <td>Mid Term Exam</td> <td style="text-align: right;">:15</td> </tr> </table> ➤ Practicum <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">Class Participation</td> <td></td> </tr> <tr> <td>Seminar/Demonstration/Viva Voce/Lab Records etc.</td> <td></td> </tr> <tr> <td>Mid Term Exam:</td> <td></td> </tr> </table> 		Class Participation	:5	Seminar/Presentation/Assignment/Quiz/Class Test etc.	:10	Mid Term Exam	:15	Class Participation		Seminar/Demonstration/Viva Voce/Lab Records etc.		Mid Term Exam:		Theory	
Class Participation	:5														
Seminar/Presentation/Assignment/Quiz/Class Test etc.	:10														
Mid Term Exam	:15														
Class Participation															
Seminar/Demonstration/Viva Voce/Lab Records etc.															
Mid Term Exam:															

Part-C Learning Resources	
Recommended Books/E-Resources/LMS:	9

- Aggarwal, B.L. (2006). *Basic Statistics*. New Age International Publishers, New Delhi.
- Anderson, David R., Sweeney, Dennis J. & Williams, Thomas A. (2014). *Essentials of Statistics for Business and Economics*. South-Western Cengage Learning, USA.
- Croxton Frederiel, Dudley J. Gowden and Sidny Klein: *Applied General Statistics*, New Delhi:
- Griffiths, D., W, Douglas and K. Laurence Weldon (1998): *Understanding Data: Principles & Practices*
- Gupta C.B: *An Introduction to Statistical Methods*, New Delhi, Vikas Publishers.
- Gupta S.P: *Statistical Methods*, New Delhi, Chand & Co.
- Gupta, S.C. & Kapoor, V.K. (2007). *Fundamentals of Applied Statistics*. S. Chand and Sons, New Delhi..
- Kamanta J. (1997). *Elements of Econometrics*. Macmillan Publishing Co., Inc. New York.
- Karmal, P.H. & Polasek, M. (1978). *Applied Statistics for Economists*. Pitman, Australia.
- Naghshpour, S. (2012). *Statistics for Economics*. Business Expert Press.
- Sharma, J.K. (2012). *Business Statistics*. Dorling Kindersley (India) Pvt. Ltd., New Delhi.
- T R Jain, S C Aggarwal, R K Rana: *Statistical Methods for Economics* V.K Publication House.

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	V		
Name of the Course	ECONOMICS OF GROWTH & DEVELOPMENT		
Course Code	B23-ECO-501		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AE C/ VAC	CC-5, MCC-9		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Appreciate the concepts of growth and development, along with the various measures of economic development. 2. Analyse various resources as well as challenges in context of economic development. 3. Understand the process of economic growth as explained by various classical economists. 4. Comprehend various development strategies and their application. 		
	5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			
Unit	Topics		Contact Hours
I	Concepts of Economic Development Economic Growth and Economic Development; Measurement of Economic Development: Per Capita Income, Basic Needs		

	Approach, Physical Quality of Life Index (PQLI), Human Development Index (HDI) and World Happiness Index; Concept of Sustainable Development.	15
II	Determinants and Challenges of Economic Development: Economic and non-economic resources for Economic Development; Poverty: Concept and measurement, vicious circle of poverty, Economic inequality; Concept and measurement; Lorenz curve, Kuznets hypothesis.	15
III	Theories of Economic Growth and Developments; Contribution of Adam Smith, Ricardo, Karl Marx and Schumpeter	15
IV	Development Strategies: Balanced and Unbalanced Growth; Theory of Big Push; Critical Minimum Efforts Thesis, low level equilibrium.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70 Theory
<ul style="list-style-type: none"> ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam: 		

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Adelman, I, (1961), Theories of Economics Growth and Development, Stanford University Press, Stanford.
- Barro, R. and X. Salai- Martin, Economics Growth, McGraw Hill, New York.
- Chakravarti, S. (1982), Alternative Approaches to the Theory of Economic Growth, Oxford University Press, New Delhi.
- Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London.
- Higgins, B.(1959), Economic Development, W.W. Norton, New York.
- Kindleberger, C. P. (1977), Economics Development, (3rd Edition), McGrawHill, New York.
- Meier, G.M. and J.E. Rauch (2005), Leading Issues in Economics Development, (8th Edition), Oxford University Press, New Delhi.
- Todaro, M.P. and S.C. Smith (2003), (8th Edition), Economics Development, Pearson Education, Delhi.
- Thirlwal, A.P. (1999), (6th Edition), Growth and Development, Macmillan, U.K.
- Mishra S.K. and V.K. Puri 'Economics Development and Planning. (Latest Edition)
- VK Global Publication PVT LTD, Development Economics, Delhi

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	5		
Name of the Course	Demography		
Course Code	B23-ECO-502		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MCC-10		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Comprehend the basics of demography. 2. Draw on demographic concepts and population theories to explain past and present population characteristics. 3. Analyze the world population growth and trends and distinguish between the populations patterns of developed and less developed countries. 4. Describe and compare the demographic process of fertility, mortality and migration. 5. Understand and analyze various demographic issues in India. 		
5*			
Credits	Theory	Tutorial	Total
	03	01	04
Contact Hours	03	01	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 4. Nine Questions will be set in all and students will be required to attempt 5 questions. 5. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 			

6. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).		
Unit	Topics	Contact Hours
I	Fundamentals of Demographic Analysis Definition, Nature and Scope of Demography, Sources of Demographic data: Census, Sample Survey And Vital Registration System; World Population: Growth, composition and Distribution; Population Growth in India, techniques of population Analysis.	15
II	Theories of Population Pre-Malthusian population thoughts, Malthusian Doctrine, Optimum Population theory, Theory of Demographic transition, Karl Marx on Population, Biological theory of population, Social theory of population, Becker's Model, Selective Rationality theory, Value of Children model: Hoffman & Hoffman.	15
III	Fertility and Mortality Fecundity, and fertility, infertility and miscarriages, factor affecting fertility, Basic measures of fertility, level and trends in fertility in the world, Concept and measures of mortality, sex and age pattern of mortality, infant and child mortality, Maternal mortality classification of causes of death, levels and trends in mortality.	15
IV	Population and Economic Development Meaning of migration, types, determinants and effects of migration, migration in India. Population and Economic Development, Human Development , Environmental Concerns, World population policies, Demographic features of Indian Population, Population Policies of India.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :10 Mid Term Exam :15		End Term Examination:70 Theory

<p>➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:</p>	
Part-C Learning Resources	
<p>Recommended Books/E-Resources/LMS:</p> <ul style="list-style-type: none"> • Bouge, D.J. (1971). Principles of Demography, John Wiley, New York. • Harper, S. (2018). Demography: A Very Short Introduction, Cambridge University Press. • Weinstein, J. & Pillai, V.K. (2015). Demography: The Science of Population. Rowman & Littlefield Publications. • Majumdar, P.K. (2010). Fundamentals of Demography. Rawat Publication. • Pathak, K.B. & Ram, F. (2016). Techniques of Demographic Analysis. Himalaya Publishing House. • Weinstein, J. & Pillai, V.K. (2015). Demography: The Science of Population. Rowman & Littlefield Publications. • VK Global Publication PVT LTD, Development Economics, Delhi • VK Global Publication PVT LTD, Indian Economy, Delhi 	

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	V		
Name of the Course	Economics of Infrastructure		
Course Code	B23-ECO-503		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-2		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Get exposure to the concepts and problems related to Infrastructure as well as role of Infrastructure in Economic Development. 2. Understand the concept of Economic Infrastructure and Knowledge of related policies. 3. Understand the Economics of Physical Infrastructure and infrastructure financing. 4. Understand, analyze and interpret the Economics of Social Infrastructure, its pricing and coming out with some suggestive policies. 		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100	Time: 3 Hrs		
Internal Assessment Marks: 30			
End Term Exam Marks: 70			
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			
Unit	Topics		Contact Hours
I	Infrastructure and Economic Development: - Infrastructure-Meaning and Definition, Infrastructure- Development linkages; Infrastructure as a Public Good; Difference between Physical and Social Infrastructure, Role of Infrastructure in Indian Economy, Issues in privatization of infrastructure.		15

II	Energy and Power Infrastructure Primacy of Energy in the process of economic development; Sources of Energy: Renewable & Non-Renewable; Nuclear Energy, Solar and Wind Energy; Energy Conservation. Effects of Energy Shortages; The search for optimal Energy Policy in the Indian Context. Power Generation: Distribution & Pricing Policy, Privatization of Power Sector.	15
III	Transport Infrastructure Economics of transportation network growth, Transport demand, Price elasticity of transport demand, Economies of scale and behavior of transport costs; Transport and economic development, Transportation Infrastructure Finance: – Public –Private Partnership Models and its Examples.	15
IV	Social Infrastructure Health Service: Medical Facilities, State and Provision of Health, Drinking Water and Sanitation; Issues in Privatization of Health Services. Various Government Schemes in Health. Education- Concept and Scope of Human Resource Development; Education and Economic Growth, Primary, Higher and Professional Education, Right to Education.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)		End Term Examination:70 Theory
Class Participation		5
Seminar/Presentation/Assignment/Quiz/Class Test etc.		10
Mid Term Exam		15
➤ Practicum		
Class Participation		
Seminar/Demonstration/Viva Voce/Lab Records etc.		
Mid Term Exam:		
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Bailey Roy (2005) Infrastructure Economics, Vrinda Publications P Ltd • N Mani (2012)Infrastructure Development and Financing in India, New Century Publication • Jonathan Cowie (2010) The Economics of Transport, by Routledge. • K. Narindar Jetli, Vishal Sethi (2007), Infrastructure Development in India: Post-liberalization Initiatives and Challenges, New Century Publication • Dwivedi, Rishi Muni (2011) Energy sources and policies in India, New CenturyPublications • VK Global Publication PVT LTD, Indian Economy, Delhi 		

Part-A Introduction			
Subject	Economics		
Semester	V		
Name of the Course	ECONOMICS OF AGRICULTURE		
Course Code	B23-ECO-504		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	DSE-2		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able: 1. To understand the importance of agriculture in economic development. 2. to familiarize with policy issues that are relevant to Indian Agricultural Economics. 3. To examine various policies (credit, input, pricing, food security, marketing, trade) pertaining to Indian agricultural sector. 4. To enhance the students' awareness on contemporary problems of agriculture sector.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
7. Nine Questions will be set in all and students will be required to attempt 5 questions. 8. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 9. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			

Unit	Topics	Contact Hours
I	<p>AGRICULTURE AND ECONOMIC DEVELOPMENT Nature and Scope of Agricultural Economics – Traditional Agriculture and its Modernization: Sustainable Agriculture and Organic Farming – Interdependence between Agriculture and Industry. Contribution of agriculture in economic development.</p> <p>AGRICULTURAL FINANCE Need for Agricultural Finance – Non-institutional Sources of Agricultural Finance: Money Lenders - Traders Commission Agency - Land lords – Institutional Sources of Agricultural Finance: Cooperative Banks, Commercial Banks, NABARD, RRBs.</p>	15
II	<p>Agricultural Development in India Indian Agriculture: Features, Problems and Trends; Agricultural Productivity in India – Causes of Low Productivity and Suggestions to increase Productivity in India; Agricultural Growth in India Agricultural growth in India since independence – Sources of Growth and instability in Indian agriculture;; Risk and Uncertainty in Agriculture; cropping pattern shifts; Agricultural technology – Irrigation, HYV seed, Fertilizers and micronutrients; Critique of green revolution and need of sustainable and water-conservation agriculture</p>	15
III	<p>AGRICULTURAL PRICING Fluctuations in Agricultural Price: Causes and Impacts; Price Stabilization: Agriculture price and food policy. Need for Government intervention;</p>	
	<p>Objectives of Price policy; Types of Agriculture Prices: Minimum Support Prices and Statutory Minimum Support Price, Procurement Prices; Fixation of Minimum Support Price; Food Corporation of India and Buffer stock; Public Distribution System (PDS) in India and its critique; National Food Security Act.</p>	15
IV	<p>AGRICULTURAL MARKETING Agricultural Marketing and its Importance; Components of Agriculture Market and Classifications; Marketable and Marketed Surplus; Marketing functions; Marketing Channels; Defects of Agricultural Marketing – Lines of Improvement.</p>	15

V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :10 Mid Term Exam :15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Bilgrami, S.A.R. (1996): Agricultural Economics, Himalayas Publishing House, Delhi. • Dantwala, M.L. et al., (1991): Indian Agricultural Development since Independence, Oxford & IBH, New Delhi. • Gaurav Datt and Ashwani Maharaj C (2014), Datt and Sundaram's Indian Economy, S.Chand& Co., New Delhi. • Gualti, A. and T.Kelly (1999): Trade Liberalisation and Indian Agriculture, Oxford University Press, New Delhi. • Halcrow, H.G.(1981), Economics of Agriculture, McGraw Hill International Book Agency. • Kahion, A.S. and Tyagi D.D. (1983): Agriculture Price Policy in India, Allied Publishers, New Delhi • Meier, G.M. (1995), Leading Issues in Economic Development, Oxford University Press, New Delhi. • Sadhu and Singh (1991), Agricultural Problems in India, Himalaya Publishing House, New Delhi. 		

- Sadhu and Singh (2002), Fundamentals of Agricultural Economics, Himalaya Publishing House, New Delhi.
- Sadhu and Singh (2013) Fundamentals of Agricultural Economics, Himalaya, New Delhi.
- Taylor, H.C.(1949), Outlines of Agriculture Economics, MacMillan, New York
- VK Global Publication PVT LTD, Indian Economy, Delhi

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	Semester: V		
Name of the Course	FINANCIAL ECONOMICS		
Course Code	B23-ECO-505		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	DSE-3		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)			
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ul style="list-style-type: none"> • Understand about Nature, scope and objectives of financial economics. • Analyze financial markets and its meaning, functions and types of financial markets. • Know about Components of Money Market; Call Money Market, Acceptance Market, Bills Market etc. • Understand about capital market, distinction between money market and capital market. • Evaluate about money supply determinants & RBI measures of monetary aggregates. 		
Credits	Theory	Tutorial	Total
	03	01	04
Contact Hours	03	01	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours		
Part-B Contents of the Course			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks). For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics		Contact Hours

I	Nature, Scope and Objective of Financial Economics; Goals of Finance; Nature, Importance and Limitations of Financial Statements; Fund Flow Statement; Cash Flow Statement; Tools of Financial Analysis-Trend Analysis, Ratio Analysis	15
II	Financial Markets- Meaning, Functions and Types of Financial Markets. Money Market-Meaning, Functions & Structure of Money Market, Growth of Indian Money Market, Components of Money Market; Call Money Market, Acceptance Market, Bills Market, Commercial Paper Market. Certificates of Deposits Market in India.	15
III	Capital Market: Nature and Role of Functions, Distinction between Money market and Capital Market, Primary Market, Secondary market, Operational Mechanism of Capital Market.	15
IV	Money Supply Determinants; High-Powered Money and Money Multiplier; RBI Measures of Monetary Aggregates. Fisher's Transactions Approach to the Quantity Theory of Money; Cambridge Cash- Balances Approach; Keynes Demand Theory of Money; Friedman's Theory of Demand for Money.	15
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation:5 Seminar/Presentation/Assignment/Quiz/Class Test etc.:10 Mid Term Exam:15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Khan, MY: Indian Financial System; Tata-McGrawhill • Arrow Kenneth, J. (1963), Social Choice and Individual Value, Yale University Press, New Haven • Atkinson A. B., and Siglitz J. E. (1980),• Lectures on Public Economics, Tata MacGraw Hill, New York. 		

<ul style="list-style-type: none"> • Bagchi, Amaresh (2005) Reading in Taxation, Oxford Press. • Baumol, W.J. (ed.) (2001), Welfare Economics, Edward Elgar Publishing Ltd., U.K. • Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford. • Bruce, Neil, Public Finance, Addison-Wesley Educational Publishers, Inc). • Buchanan, J. M. (1970), The Public Finances, Richard D. Irwin, Homewood. • VK Global Publication PVT LTD, Fundamental of Indian Capital Market, Delhi 			
Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	V		
Name of the Course	Haryana Economy		
Course Code	B23-ECO-506		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-3		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand, explain and analyze growth and development of Haryana. 2. Describe and critically analyze growth in Haryana agriculture sector and evaluate various financing and insurance schemes. 3. Analyze industrial growth and know about the role of HSIIDC, HAFED, HKVIB. 4. Explain and analyze the evolution of budget and State Finance Commission. 5*. 		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours Per Week	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30	Time: 3 Hrs		

End Term Exam Marks: 70		
Part-B Contents of the Course		
<p>1. Nine Questions will be set in all and students will be required to attempt 5 questions.</p> <p>2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14marks).</p> <p>3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).</p>		
Unit	Topics	Contact Hours
I	<p>Haryana Economy and Prospects: Nature, Characteristics and Problems; Concept of Economic Development; Financial Inclusions.</p> <p>State of the Haryana economy since its inception: Income; Demogaphy, Health & Nutrition .</p>	15
II	<p>Haryana agriculture: Nature, cropping pattern, role of agriculture in Haryana economy, Green Revolution, Measures for development in agriculture, crop insurance.</p> <p>Agriculture credit: agriculture finance, types of agriculture finance; credit needs of farmers; sources of credit(institutional and non-institutional sources); rural indebtedness: causes, consequences and debt relief measures.</p>	15
III	<p>Micro, Small & Medium Enterprises (MSME) in Haryana: Meaning, Role, Performance and Challenges; SEZ, Institutions Functions, role and performance of HSIIDC, HAFED, HKVIB.</p>	15
IV	<p>Haryana budget: Objectives and Policies, Expenditure, Sources of Revenues and its Utilization; Latest State Finance Commission: Key issues and recommendations.</p>	15
V*		
Suggested Evaluation Methods		
<p>Internal Assessment: 30 <input type="checkbox"/> Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)</p>		<p>End Term Examination:70 Theory</p>

Class Participation	:5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	:10	
Mid Term Exam	:15	
□ Practicum		
Class Participation		
Seminar/Demonstration/Viva Voce/Lab Records etc.		
Mid Term Exam:		

Part-C Learning Resources	
Recommended Books/E-Resources/LMS:	
<ul style="list-style-type: none"> • Department of Economic and Statistical Analysis, Government of Haryana Panchkula. Economic Survey of Haryana (various issues). • Planning Commission (2009). Haryana Development Report. Government of India, New Delhi. • Haryana for Industry, Designed and produced by the Publicity Division, I.A.G. Department of Industries, Govt. of Haryana, Chandigarh. • HSIIDC: Haryana's Industrial Catalyst, Designed and produced by the Publicity Division, I.A.G. Department of Industries, Haryana, Chandigarh. • Laxmi Narayan & Kaswan, KavitaBhambu (2019). Haryana Economy: Patterns, Potentials and Prospects. White Falcon Publishing. • Singh, M. & Kaur, H. (2004). Economic Development of Haryana. Deep & Deep Publications. • https://sfc.haryana.gov.in/ • VK Global Publication PVT LTD, Indian Economy, Delhi 	

* Applicable for courses having practical component.

Session 2024-2025	
Part-A Introduction	
Subject	Economics
Semester	VI
Name of the Course	Indian Economy
Course Code	B23-ECO-601
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-6 MCC-11
Level of the course (As per Annexure-I)	300-399
Pre-requisite for the course (if any)	N.A.

Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ul style="list-style-type: none"> • Understand the Indian economy's features, historical evolution, economic planning, and key indicators like GDP and inflation. • Recognize the role and challenges of agriculture, understand rural development issues, and evaluate policies like MGNREGA. • Grasp industrialization phases, services sector growth, government policies, and globalization's impact on industry and services. • Understand India's foreign trade structure, balance of payments components, trade agreements, Foreign Trade Policy, and globalization challenges and opportunities. 		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
4. Nine Questions will be set in all and students will be required to attempt 5 questions. 5. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 6. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics	Contact Hours	
I	Introduction to Indian Economy : Features of the Indian Economy, Historical Evolution of the Indian Economy: Pre-colonial, colonial, and post-independence phases, New Economic Policy, Economic Planning in India: Five Year Plans, Role of NITI Aayog. Key Economic Indicators: GDP, Saving and Investment, inflation, unemployment and poverty.	15	
II	Agriculture and Rural Development : Role of Agriculture in the Indian Economy, Challenges of Indian Agriculture,, Green Revolution and its impact, Agriculture and Economic reforms . Concepts, Approaches and Strategies of Rural Development, Issues of poverty, unemployment, and infrastructure. Policies for Rural Development: MGNREGA, poverty alleviation programs and Pradhan Mantri Gram Sadak Yojana.	15	

III	Industry and Services Sector : Role of Industry in the Indian Economy,, Process of Industrialization in India: Phases of industrial development, challenges faced, Government Policies for Industrial Development: Make in India, industrial corridors. The Services Sector: Growth, importance, and sub-sectors (IT, finance, tourism, etc.),. Globalization and its impact on Indian Industry and Services.	15
IV	Foreign Trade and Globalization : Growth and Structure of India's Foreign Trade, Balance of Payments: Components, factors affecting it, and its importance. Trade Agreements and Institutions: WTO, Regional Trade Agreements (SAARC, ASEAN). Foreign Trade Policy (FTP) of India: Objectives, initiatives, and recent changes. Challenges and Opportunities of Globalization for India: Trade barriers, protectionism, and WTO.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Dutt, G. & Mahajan, A. (2020). Dutt & Sundharam’s Indian Economy. S. Chand Publishing, New Delhi. • Kapila, U. (2015). Indian Economy - Performance and Policies. Academic Foundation • Kapila, U. (2018). Indian Economy Since Independence. Academic Foundation. • Ministry of Finance (2020). Economic Survey. Government of India. • Mishra, S.K. & Puri, V.K. (2020). Indian Economy. Himalaya Publications, New Delhi. • Monthly Issues of Kurukshetra-A Journal on Rural Development. • Shergill, H.S. (2006). Diversification of cropping pattern: A Re-Examination. Institute for Development and Communication, Chandigarh • Biswas, P.K. & Das, P. (Eds.). (2019). Indian Economy: Reforms and Development. Springer. • Bhagwati, Jagdish (2004). In Defense of Globalization. Oxford University Press, 		

<p>New Delhi.</p> <ul style="list-style-type: none"> • Bhandari, Surendra (1998). WTO and Developing Countries. Deep & Deep Publications, New Delhi • VK Global Publication PVT LTD, Indian Economy, Delhi
--

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	Economics of Labour		
Course Code	B23-ECO-602		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC /AEC/ VAC)	MCC-12		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	None		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ul style="list-style-type: none"> • Define labor economics and its significance, and analyze historical developments in the field. • Understand the theory of labor supply and demand, including factors influencing individual decisions and market outcomes. • Evaluate wage determination mechanisms in different market structures and their impact on employment and wages. • Analyze alternative pay schemes, the wage structure, and factors contributing to wage differentials. 		
	5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
<ol style="list-style-type: none"> 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 			

marks spread over the entire syllabus (2*7=14marks).		
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).		
Unit	Topics	Contact Hours
I	Labor Economics: Overview of labor economics: Definition, scope, and significance. Historical development of labor economics. Basic concepts and terminology: Population, Participation Rates. Labor Quality and Investing in Human Capital.	15
II	Theory of labor supply and demand: The Theory of Individual Labor Supply; Basic Model of The Work–Leisure Decision. The Demand for Labor; Short Run and Long Run demand for labour in Perfect and Imperfect Competitive Market. Elasticity of labor supply and demand. Wage Determination and the Allocation of Labor: Perfectly Competitive Labor Market, Wage and Employment Determination in Monopoly in the Product Market, Monopsony.	15
III	Alternative Pay Schemes and Labor Efficiency: Theory of Optimal Fringe Benefits, The Principal–Agent Problem, Efficiency Wage Payments. The Wage Structure: Perfect Competition And Homogeneous Workers And Jobs. Wage Differentials And Heterogeneous Workers And Jobs. Mobility, Migration, and Efficiency: Types, Determinates and Consequences of Migration.	15
IV	Analysis of Labour Market Institutions and Policies: Labour unions, collective bargaining, minimum wage laws, labor regulations. The Economic Impact of Unions: The Union Wage Advantage, Efficiency And Productivity, Firm Profitability, Distribution Of Earnings, Inflation, Unemployment, And Income Shares. Government policies and interventions in the labor market in India: Employment protection, unemployment benefits, social security schemes, labor market reforms, four labour codes. Critiques and debates surrounding labor market interventions.	15
V*		
Suggested Evaluation Methods		
	Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation:5 Seminar/Presentation/Assignment/Quiz/Class Test etc.:10 Mid Term Exam:15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:	End Term Examination:70 Theory

Part-C Learning Resources	
Recommended Books/E-Resources/LMS:	
<ul style="list-style-type: none"> • Chakraborty, S. (2018), Labour Economics, Himalaya Publishing House Pvt. Ltd., India. • McConnell, Campbell R., Brue, Stanley L., Macpherson, David A. (2013), Contemporary Labor Economics, Eleventh Edition, McGraw-Hill Education, 2 Penn Plaza, New York, NY 10121. • Singh, Chandra Kant (2019), Labour Economics, Deshraj& Sons, India. 	

Session 2024-2025	
Part-A Introduction	
Subject	Economics
Semester	VI
Name of the Course	Computer Applications in Economics
Course Code	B23-ECO-603
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-4
Level of the course (As per Annexure-I)	300-399
Pre-requisite for the course (if any)	N.A.
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the fundamental components and characteristics of a computer, computer hardware components, software types, operating systems, and input/output devices essential for computer usage in economics. 2. Understand Microsoft Word's interface and navigation, document creation and formatting. They will also understand PowerPoint basics including slide creation, design themes, multimedia insertion, and presentation delivery techniques. 3. Understand the Excel interface, navigate worksheets efficiently, perform basic data entry and formatting tasks, apply sorting and filtering, use common functions and arithmetic operations, manage worksheets effectively 4 Recognize the significance of graphical representation in economics, identify appropriate economic data for visualization, understand various types of graphs and charts, and learn to prepare, customize, and interpret graphical representations effectively. <p>5*. To prepare a file depicting their ability to understand MS Word, Power Point and MS Excel</p>

Credits	Theory	Practical	Total
	03	1	04
Contact Hours	03	02	05
Max. Marks: 100 Internal Assessment Marks: 20+10(P) End Term Exam Marks: 50+20(P)	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> Nine Questions will be set in all and students will be required to attempt 5 questions. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks). For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each). 			
Unit	Topics		Contact Hours
I	Fundamentals of Computer Systems and Software Definition and Characteristics of a Computer, Overview of Computer Hardware and Software, Computer Hardware: Central Processing Unit (CPU), Motherboard, RAM, and ROM, Storage Devices: Hard Disk Drives (HDD), Solid State Drives (SSD), Input /Output Devices: Keyboard, Mouse, Monitor, Printer. Computer Software: System Software vs. Application Software, Operating Systems: Windows, macOS, Linux, Software Installation and Updates. Input and Output Devices: Keyboard and Mouse: Types and Functions, Monitors and Display Devices, Printers: Types and Printing Technologies		11
II	Microsoft Word and PowerPoint Essentials Introduction to Microsoft Word: Interface and Navigation, Creating and Saving Documents, Text Formatting and Editing: Fonts, Styles, and Sizes, Paragraph Formatting, Bullets, Numbering, and Lists, Document Layout and Design: Page Layout, Margins, and Orientation, Headers and Footers, Inserting Images, Shapes, and Smart Art Introduction to Power Point: Creating a New Presentation, Slide Layouts and Design Themes, Adding Content : Inserting Text, Images, and Multimedia, Formatting Slides and Objects, Slide Transitions and Animations : Applying Transitions, Adding Animations to Objects, Delivering the Presentation: Slide Show Settings.		11
III	Excel Fundamentals and Navigation Excel Interface Overview : Ribbon, Tabs, and Quick Access Toolbar, Worksheets, Rows, Columns, and Cells, Navigating Excel : Scrolling, Zooming, and Selecting Cells, Moving and Copying Data, Entering Data: Typing and Editing Text and Numbers, Using AutoFill for Series and Patterns, Cell Formatting: Font, Color, and		11

	Borders Cell Styles and Themes, Sorting and Filtering Data : Sorting Data Alphabetically or Numerically, Applying and Clearing Filters , Common Functions :SUM, AVERAGE, MIN, MAX,COUNT,COUNTA, COUNTBLANK, Basic Arithmetic operations: Addition, Subtraction, Multiplication and Division, Managing Worksheets: Adding, Renaming, and Deleting Worksheets, Moving and Copying Worksheets, Saving, Opening, and Closing Workbooks.	
IV	Graphical Representation in Economics Importance of Graphical Presentation in Economics : Understanding the Role of Visuals in Economic Analysis, Benefits of Graphical Representation in Economic Communication, Types of Economic Data Suitable for Graphical Representation, Types of Graphs and Charts; Line Charts: Representing Time Series Data, Trends, and Comparisons, Bar and Column Charts: Comparing Categories, Quantities, and Changes Over Time, Pie and Donut Charts : Showing Proportions and Percentages, Scatter Plots: Displaying Relationships Between Two Variables, Histograms and Frequency Polygons: Visualizing Data Distribution and Frequency, Data Preparation for Graphs Cleaning and Formatting Data for Visualization, Customizing Graphs for Clarity : Adding Titles, Labels, Legends, and Annotations, Adjusting Colors, Styles, and Scales, Interpreting Graphical Representations	12
V*	Students should be able to run the commands of MS Word, PowerPoint and MS Excel mentioned in syllabus with their application in economics.	15
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory: 20 (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation :05 Seminar/Presentation/Assignment/Quiz/Class Test etc. :05 Mid Term Exam:10 ➤ Practicum:10 Class Participation: Seminar/Demonstration/Viva Voce/Lab Records etc.: 10 Mid Term Exam:		End Term Examination:50 Theory Practicum: 20 Practical/Viva Voce/Lab Records.
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Beal, V. (2011). Computer Basics: A Beginner's Guide to Understanding How Computers Work (4th ed.). Course Technology. • Cole, M. (2016). Simplifying information graphics: A user's guide to making data 		

meaningful. O'Reilly Media, Inc.. (Chapter on Designing Effective Visuals)

- Few, S. (2009). Now you see it: How data visualization can transform your business. John Wiley & Sons. (Chapter on Power of Data Visualization)
- Huffaker, R. (2015). Presentation zen: Simple ideas on presenting with confidence. Pearson Education Limited. (Chapter on Using Visuals Effectively)
- Kurose, J. F., & Ross, K. W. (2017). Computer networking: A top-down approach (7th ed.). Pearson.
- Microsoft. Excel Help & Learning. <https://support.microsoft.com/en-us/excel> (Official Microsoft guide with tutorials and articles)
- Svetlana Chernyshova (2023). Microsoft Excel 2021 & 365 Step by Step. Microsoft Press. (Comprehensive guide with step-by-step instructions)
- Microsoft. PowerPoint Help & Learning. <https://support.microsoft.com/en-us/office/powerpoint-for-windows-training-40e8c930-cb0b-40d8-82c4-bd53d3398787> (Official Microsoft guide with tutorials and articles)
- Gaskin, T. (2023). Microsoft PowerPoint 2021 & 365 Step by Step. Microsoft Press. (Comprehensive guide with step-by-step instructions)
- Microsoft. Word Help & Learning. <https://support.microsoft.com/en-us/word> (Official Microsoft guide with tutorials and articles)
- Gaskin, T. (2023). Microsoft Word 2021 & 365 Step by Step. Microsoft Press. (Comprehensive guide with step-by-step instructions)
- Morgan, M. R., & Morrison, G. R. (2019). Data analysis for decision makers. Cengage Learning US. (Chapter on Choosing the Right Chart)
- Patterson, D. A., & Hennessy, J. L. (2017). Computer organization and design: The hardware/software interface (5th ed.). Morgan Kaufmann.
- Stallings, W. (2018). Computer organization and architecture: Designing for performance (11th ed.). Pearson.
- Tanenbaum, A. S., & Austin, T. (2015). Structured computer organization (6th ed.). Pearson.

* Applicable for courses having practical component.

Session 2024-2025	
Part-A Introduction	
Subject	Economics
Semester	VI
Name of the Course	Economics of Insurance
Course Code	B23-ECO-604
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-4
Level of the course (As per	300-399

Annexure-I)			
Pre-requisite for the course (if any)		N.A.	
Course Learning Outcomes (CLO)		<p>After completing this course, the learner will be able to:</p> <ul style="list-style-type: none"> • Understand the nature and scope of insurance, including the meaning of Insurance and its principles • Develop the understanding of risk and risk management • Evaluate the different types of insurance and selection of risk • Understand the insurance regulation and apply the concepts of Moral hazard and Adverse selection in practical situation. 	
		5*	
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70		Time: 3 Hrs	
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>1. Nine Questions will be set in all and students will be required to attempt 5 questions.</p> <p>2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).</p> <p>3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).</p>			
Unit	Topics	Contact Hours	
I	Rationale of Insurance Meaning , Definition and Scope of Insurance; Evolution and Importance of Insurance; Nature, Functions, Elements, Principles and Fields of Insurance; major determinants of the demand for insurance	15	
II	Risk and Risk Management Fundamentals of Uncertainty and Risk; Classification of Risk; Concepts of Risk Management; Elements of Risk Management- Risk Assessment, Risk Control, Risk Financing, Risk pooling and risk transfer in insurance	15	
III	Types of Insurance Fundamentals of Life and Health Insurance- Functions of Life and Health Insurance, Plans of Life Insurance, Selection of Risks,	15	

	Underwriting of Life and Health Insurance ; General Insurance - concept and types.	
IV	Insurance Regulation Asymmetric information and its consequences; Moral Hazard; Adverse selection; objectives, Theories of insurance Regulation; Effects of Insurance Regulation; Recent Trends in Insurance Regulation; Insurance Regulation and Development Authority.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Bhole, L.M., 1990, The Indian Financial System, Tata McGraw Hill, New Delhi. • Black, K.Jr and H.D. Skipper, 2000, Life and Health Insurance, Prentice Hall, N.J. • Bailey, R., 1999, Underwriting in life and insurance, LOMA, Atlanta. • Bickelhaupt, D.L., 1992, General Insurance, Irwin.Inc.Burr Bridge • Finsinger, J and M.V. Pauly (Eds), 1986, McGraw Hill's life Insurance, The American College, Blyn Mawr Pa. • Hedad, G.L., and S. Horn II, 1991, Essentials of Risk Management, VoL 1 , Insurance Institute of America. • Skipper, J.H.D. (Ed) 1988, International risk and insurance: An environmental managerial approach, Irwin McGraw Hill, Boston • Taehimo, K.B. and D.A. Linic, 1993, Planning for Retirement needs, The American Collge, Bryn, Mawn pa. 9. Palande, P.S., Shah, R.S and Lunawal, M.L., 1983, Insurance in India, Changing policies and emerging opportunities, Response Books, A division of Sage Publications India. • Arunajatesan S. & T. R. Viswanathan, Risk Management and Insurance, (2009) Macmillan Publishers Ltd. • Dorfman S. Mark (2012, 1987) Introduction to Risk Management and Insurance, Eighth Ed, Prentice-Hall. • Hampton John J. (1993) Essentials of Risk Management and Insurance, 		

<p>(1993), American Management Association (Amacom).</p> <ul style="list-style-type: none"> • S. Hun Seog (2010) The Economics of Risk and Insurance, Wiley-Blackwell • P. Zweifel and R. Eisen (2012) Insurance Economics, Springer
--

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VI		
Name of the Course	Gender Economics		
Course Code	B23-ECO-605		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-5		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learners will be able to:</p> <ol style="list-style-type: none"> 1. Understand gender economics, historical perspectives, and various approaches like WID, WAD, and GAD. They'll also be familiar with gender-related development indices like GDI, GEM, and GGI. 2. Analyze women's economic contributions, understand valuation of women's work, factors affecting labor market entry, and key issues like wage disparity. 3. Interpret female population demography and understand gender differences in economic outcomes through various theories.. 4. Grasp concepts of gender mainstreaming, gender audit, and gender budgeting. They'll also understand women's economic empowerment, sustainable development goals, and monitoring tools for gender-responsive policies 5*. 		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100	Time: 3 Hrs		
Internal Assessment Marks: 30			
End Term Exam Marks: 70			
Part-B Contents of the Course			
Instructions for Paper Setters			

<p>4. Nine Questions will be set in all and students will be required to attempt 5 questions.</p> <p>5. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).</p> <p>6. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).</p>		
Unit	Topics	Contact Hours
I	<p>Foundations of Gender Economics Definition, Scope, and Importance of Gender Economics ,Historical Perspectives on Gender and Economics, Difference between Gender and Sex, Gender Issues in Economic Theory, Approaches: Women in Development (WID), Women and Development (WAD), Gender and Development(GAD),Gender-Related Development Indices: Gender-Related Development Index (GDI), Gender Empowerment Measure (GEM), Global Gender Gap Index (GGI)</p>	15
II	<p>Women's Economic Role and Work Women's Contribution to National Income and Growth, Concept and Analysis of Women's Work: Valuation of Productive and Unproductive Work, Visible and Invisible Work, Paid and Unpaid Work, Economically Productive and Socially Productive Work, Methodological Issues in Measurement of Women's Work and Contribution to Income. Factors Affecting Female Entry in the Labour Market, Labour Market Issues: Occupational Segregation, Wage Disparity and Feminization.</p>	15
III	<p>Demographics and Gendered Economic Outcomes Demography of female population: Age structure, mortality rates, Fertility rates and sex ratio. Gender differences in economic outcomes : Human Capital Theory, Bargaining Theory, Time Use Theory, Intersectionality Theory and Institutional Theory</p>	15
IV	<p>Gender Integration in Policy and Development Gender mainstreaming in policy-making and implementation, Gender Audit and Gender Budgeting, Women in Planning and Social Policy, Women's Economic Empowerment Programs (Micro finance and Skill Training), Role of women in sustainable and green economy sectors, Gender-sensitive design of social protection schemes, Gender equality as a sustainable development goal , Role of International Organizations in Promoting Gender Equality, Paradigm shift from women well being to Women's Empowerment, Importance of monitoring and evaluation in gender-responsive policymaking, Key indicators and tools for evaluating gender-responsive policies.</p>	15
V*		
Suggested Evaluation Methods		

<p>Internal Assessment: 30</p> <ul style="list-style-type: none"> ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam: 	<p>End Term Examination:70 Theory</p>
<p>Part-C Learning Resources</p>	
<p>Recommended Books/E-Resources/LMS:</p> <ul style="list-style-type: none"> • Acker, J. (2006). Gender and inequality: Lessons from sociology. Pine Forge Press. • Alkire, S., & Koch, I. (2008). Gender and the Millennium Development Goals: A special report. Oxford University Press. • Arulappan, T. (2001). The economics of gender. Oxford University Press. • Asian Development Bank. (2012). Handbook for conducting gender audits. • UN Women. (2008). Gender budgeting: Making it work for women’s empowerment. • Becker, G. S. (1991). A treatise on human capital. University of Chicago Press. (Human Capital Theory) • Beneria, L., & Molyneux, M. (2003). Gender and development: Theories, practices, and policies. Routledge. • Bergmann, B. (2003). In the shadow of man: The history of women in the economic theory. Routledge. • Bittman, M., England, P., Folbre, N., & Meyers, C. (2003). The divided household: Gender and time use in the United States. Russell Sage Foundation. (Time Use Theory) • Charles, M., & Berrin, J. (2013). Gender and development. Routledge. • Crenshaw, K. (1989). Defining intersectionality in context. University of Chicago Legal Forum, 140(1), 140-149. (Intersectionality Theory) • Elson, D. (1999). In gels like money: Towards a feminist analysis of monetary valuation. Routledge. • Esping-Andersen, G. (2009). The welfare state for the 21st century. Oxford University Press. (Chapter on Gender and Social Protection) • Folbre, N. (1994). Who cares for the kids? Gender and the welfare state. Cornell University Press. • Goetz, A. M., & Chaudhuri, N. (2014). Women and development: Concepts, critiques, and current trends. Zed Books. • International Labour Organization. (2019). Promoting decent work for women: A toolkit. • Jaffee, D. (2014). Feminist economics. Routledge. (Chapter on Labor Market Theories) • Sen, A. (1990). Gender and cooperative conflicts. WIDER Working Papers • Lundberg, S., & Pollak, R. A. (1993). Bargaining and distribution within the 	

household. *Journal of Economic Literature*, 31(2), 815-827. (Bargaining Theory)

- Nelson, J. A. (2005). *Feminists, institutions, and social change*. University of Chicago Press. (Institutional Theory)
- OECD Development Centre. (2016). *Gender equality policies: A global review*
- OECD Development Centre. (2006). *Gender mainstreaming in practice: A toolkit*.
- Razavi, S. (2009). *Gender and social policy*. Routledge.
- Smyth, I., & Rai, M. (2017). *Gender and development*. Routledge. (Chapter on Gender and Social Policy)
- Sen, A. (1990). *Gender and cooperative conflicts*. WIDER Working Papers
- UN Women. (2021). *Women’s leadership and participation in the green economy*.
- UNEP. (2020). *Gender and the environment handbook: A guide to gender-responsive environmental policy, plans and programs*.
- United Nations Development Programme. (2023). *Human development report 2023*. <https://hdr.undp.org/reports-and-publications/towards-2023-human-development-report>
- United Nations Economic and Social Council. (2000). *Integrating gender into economic and social policies: A practical guide*.
- United Nations Population Fund. (2021). *State of World Population 2021: Women's bodies, women's choices*.
- United Nations. (2015). *Transforming our world: The 2030 Agenda for Sustainable Development*. <https://sdgs.un.org/2030agenda> (Goal 5: Gender Equality)
- World Bank. (2008). *Gender and economics*. <https://www.worldbank.org/en/topic/gender/overview>
- World Bank. (2012). *World Development Report 2012: Gender Equality and Development*.
- World Bank. (2018). *Women, Business and the Law 2018*. <https://thedocs.worldbank.org/en/doc/102741522965756861-0050022018/original/WBLKeyFindingsWebFINAL.pdf>

Session 2024-2025	
Part-A Introduction	
Subject	Economics
Semester	VI
Name of the Course	Welfare Economics
Course Code	B23-ECO-606
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-5
Level of the course (As per Annexure-I)	N.A
Pre-requisite for the course	N.A.

(if any)			
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. The course will introduce various concepts of Welfare Economics. 2. Identify the causes inhibiting attainment of maximize social welfare 3. Students would be able to evaluate the welfare effects of policy changes in a coherent way.		
Credits	Theory	Tutorial	Total
	03	01	04
Contact Hours Per Week	03	01	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hours		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ul style="list-style-type: none"> • Nine Questions will be set in all and students will be required to attempt 5 questions. • Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). • For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			
Unit	Topics		Contact Hours
I	Meaning and Scope of Welfare Economics; Benthamite Approach to Aggregate Welfare; Adam Smith's views on Economic Welfare; Assumption of Uniform Income – Utility Function of Individuals; Questions of Income Distribution		15
II	Marshallian Welfare Economics; Pigovian Welfare Economics; Consumer's Surplus-Measurement and Criticism. Hicksian Consumer Surplus- Concept of Consumer's Surplus, Principle of Compensating Variation; Consumer's Surplus and Tax-Bounty Analysis.		15
III	Pareto optimality – Optimum exchange conditions, The production optimum, The consumption optimum, Concept of contract curve; Top level optimum; Kaldor and Hicks Compensation Principle; The Scitovsky double criterion.		15

IV	Bergson's social welfare function; Marginal cost pricing; Cost-benefit analysis; The Role of The State to maximize Social Welfare.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Baumol, W.J. (ed.) (2001), Welfare Economics, Edward Elgar Publishing Ltd., U.K. • Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford. • Pigou, A.C. (1962), The Economics of Welfare (4Edition), Macmillan. • Hicks, J.R. (1956), A Revision of Demand Theory, Clarendon Press, Oxford. • Little, LM.D. (1949), The Foundations of Welfare Economics, Oxford Economic Papers, • Ahuja, H.L. (2016), Advanced Economic Theory, S.Chand Publications, Delhi 		

Session 2025-2026	
Part-A Introduction	
Subject	Economics
Semester	VI
Name of the Course	Fundamentals of Economic Development
Course Code	B25-ECO-607
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-M6
Level of the course (As per Annexure-I)	300-399
Pre-requisite for the course (if any)	N.A.
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Appreciate the concepts of growth and development, along with the various measures of economic development.

	<p>2. Analyze various resources as well as challenges in context of economic development.</p> <p>3. Construct and interpret the various indices for measuring economic development.</p> <p>4. Understand the process of economic growth as explained by various economists, and comprehend the major development strategies.</p>		
	5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> Nine Questions will be set in all and students will be required to attempt 5 questions. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			
Unit	Topics		Contact Hours
I	Concepts of Economic Development Economic Growth and Economic Development: Concept and Comparison; Measurement of Economic Development: National Income, Per Capita Income, and Basic Needs Approach.		15
II	Determinants and Challenges of Economic Development: Economic and non-economic resources for Economic Development; Poverty: Concept and measurement, vicious circle of poverty, Economic inequality: Concept and measurement (Gini Coefficient).		15
III	Indices For Measuring Economic Development Physical Quality of Life Index (PQLI), Human Development Index (HDI), Gender Development Index (GDI), and World Happiness Index.		15
IV	Basic Theories and Strategies Contribution of Adam Smith, Ricardo, Karl Marx and Schumpeter; Balanced and Unbalanced Growth.		15
V*			
Suggested Evaluation Methods			
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials.			End Term Examination: 7

<p>Approximate contact Hours =12)</p> <p>Class Participation :5</p> <p>Seminar/Presentation/Assignment/Quiz/Class Test etc. :10</p> <p>Mid Term Exam :15</p> <p>➤ Practicum</p> <p>Class Participation</p> <p>Seminar/Demonstration/Viva Voce/Lab Records etc.</p> <p>Mid Term Exam:</p>	<p>0</p> <p>Theory</p>
Part-C Learning Resources	
<p>Recommended Books/E-Resources/LMS:</p> <ul style="list-style-type: none"> • Adelman, I, (1961), Theories of Economic Growth and Development, Stanford University Press, Stanford. • Chakravarti, S. (1982), Alternative Approaches to the Theory of Economic Growth, Oxford University Press, New Delhi. • Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London. • Higgins, B.(1959), Economic Development, W.W. Norton, New York. • Kindleberger, C. P. (1977), Economic Development, (3rd Edition), McGrawHill, New York. • Meier, G.M. and J.E. Rauch (2005), Leading Issues in Economic Development, (8th Edition), Oxford University Press, New Delhi. • Todaro, M.P. and S.C. Smith (2003), (8th Edition), Economic Development, Pearson Education, Delhi. • Thirlwal, A.P. (1999), (6th Edition), Growth and Development, Macmillan, U.K. • Mishra, S.K. and V.K. Puri 'Economics of Development and Planning. (Latest Edition) • VK Global Publication PVT LTD, Development Economics, Delhi 	

Session 2025-2026	
Part-A Introduction	
Subject	Economics
Semester	VII
Name of the Course	Mathematics For Economics
Course Code	B23-ECO-701
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H1
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	N.A.

Course Learning Outcomes (CLO)	After completing this course, the learner will be able to:		
	<ul style="list-style-type: none"> Understand the various rules of matrix algebra and apply them in solving simultaneous equations models including input-output model. Appreciate the techniques of differential as well as integral calculus and apply these in analyzing various micro economic concepts. Solve the differential and difference equations and estimate as well as interpret the time path of various economic variables Apply the techniques of linear programming as well as game theory to analyze the optimizing behavior of economic agents. 		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
7. Nine Questions will be set in all and students will be required to attempt 5 questions.			
8. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks).			
9. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics	Contact Hours	
I	Matrix Algebra and Its Applications Concepts of Matrix and Determinant; Simple operations on matrices; Matrix inversion and rank of matrix; Solution of simultaneous equations through Cramer's rule and Matrix inverse method; Introduction to input-output analysis.	15	
II	Differential and Integral Calculus Rules of differentiation; Applications and interpretations of simple and partial derivatives; Problems of maxima and minima in single and multivariable functions; Unconstrained and constrained optimization in simple economic problems. Concept and rules of integration; Application to consumer's and producer's surplus.	15	

III	Differential Equations and Difference Equations Differential equations – Form and Solution of linear differential equations; Applications in Micro and Macro Economic models. Difference equations – Solution of first order and second order difference equations; Applications in trade cycle models, growth models and lagged market equilibrium models.	15
IV	Linear Programming and Game Theory Linear programming – Basic concepts, Nature of feasible, basic and optimal solution; Solution of linear programming problem through graphical and simplex method.	15
	Game theory – Concept of a game; Two-person Zero-sum game; Value of a game; Strategies- simple and mixed; Dominance rule; Solution of a game by linear programming.	
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		

Recommended Books/E-Resources/LMS:

- Aggarwal, D. R. (2018). Quantitative methods. Vrinda Publications.
- Allen, R.G.D. (2002). Mathematical analysis for economists. Macmillan Press and ELBS, London.
- Black, J.,& Bradley, J.F. (1973). Essential mathematics for economists. John Wiley and Sons.
- Chiang, A.C.(2006). Fundamental methods of mathematical economics. McGraw Hill, New York.
- Chiang, A.C. (1999). Elements of dynamic optimization. Waveland Press Inc., Long Grove, Illinois.
- Chung, J.W. (1994). Utility and production: Theory and applications. Basil Blackwell, London.
- Joshi, R. C. (2008). Basic mathematics for economists. New Academic Publishing.
- Leontief, W. W. (1936). Quantitative input-output relations in the economic systems of the United States. Review of Economics and Statistics, 18, 105-125.
- Mehta, B. C.,&Madnani, G. M. K. (2018). Mathematics for economists. Sultan Chand & Sons.
- Miller, R.E.,& Blair, P.D. (1985). Input-Output analysis: Foundations and extensions. Prentice-Hall, Englewood Cliffs, New Jersey.
- Mouhammed, Adil H. (2004). Quantitative methods for business and economics. PHI, New Delhi.
- Simon, Carl P., &Blume, Lawrence (1994). Mathematics for economists. W. W. Norton & Company.
- Sydsaeter,K.,& Hammond, Peter J. (1995). Mathematics for economic analysis. Prentice Hall.
- Taha, Hamdy A. (2001). Operations research: An introduction. Pearson Education.
- Varian, H. (2006). Microeconomic analysis. W.W. Norton, New York.
- Vohra, N.D. (2008). Quantitative techniques in management. Tata McGraw Hill.

- Yamane, T. (1973). Mathematics for economists. PHI.
- VK Global Publication PVT LTD, Mathematics for Economists, Delhi

Session 2025-2026			
Part-A Introduction			
Subject	Economics		
Semester	VII		
Name of the Course	International Economics		
Course Code	B23-ECO-702		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-H2		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to</p> <ol style="list-style-type: none"> 1. Understand the basic economic concepts of trade theory. 2. take rational decisions in Issues related international economics. 3. Examine instruments and consequences of trade policy measures—including tariffs and quantitative restrictions; 4. Understand international financial markets and the macroeconomics of open economies; balance of payments and the trade balance; exchange rates and the foreign exchange management 		
	5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
<ol style="list-style-type: none"> 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type 			

<p>questions of 2 marks spread over the entire syllabus (2*7=14marks).</p> <p>3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).</p>		
Unit	Topics	Contact Hours
I	Nature and scope of International Economics Difference between International and Inter-regional trade, Importance of International trade, Classical and Modern theory of international trade, Leontief paradox	15
II	Terms of Trade: Meaning, Types and Factors affecting terms of trade Theory of Reciprocal demand of terms of trade (Offer Curve Analysis) Concept of Gains from Trade: Static and Dynamic gains Forms of protection: Tariffs and Quota (Meaning, Types and effects under partial and general equilibrium) Other non-tariff barriers	15
III	Balance of Trade and Balance of Payment: concepts and components Equilibrium and the Disequilibrium in balance of payment, various measures to correct deficit in balance of payment Exchange rate: Meaning of Fixed and Flexible exchange rate Concepts of devaluation and depreciation of currency Effects of exchange rate changes on domestic prices History of International Monetary system introduction to Euro currency market	15
IV	International Organizations: IMF: Role and Functions, World Trade Organization(main features, TRIPS, TRIMS), WTO and India Recent changes in the direction, composition and BoP of India's foreign trade, Recent foreign trade policy, Concepts of Full and Partial Convertibility of Rupee, FEMA, FDI in India	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation		End Term Examination: 70 Theory

:5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :10 Mid Term Exam :15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:	
--	--

Part-C Learning Resources	
Recommended Books	
<ul style="list-style-type: none"> • Dominick Salvatore, International Economics: Trade and Finance, John Wiley International Student Edition, 10th edition, 2011. • Francis Cherunilam, International Economics, McGraw Hill Education; 5th edition (1 July 2017) • Francis Cherunilam International Trade and Export Management, Himalaya Publishing House (1 January 2019) • K.C. Rana & K.N. Verma, International Economics Vishal Publishing Co.; 5th (Revised) edition • VK Global Publication PVT LTD, International Economics, Delhi 	

* Applicable for courses having practical component.

Session 2025-2026	
Part-A Introduction	
Subject	Economics
Semester	VII
Name of the Course	Public Economics
Course Code	B23-ECO-703
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H3
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	N.A.

Course Learning Outcomes (CLO)	After completing this course, the learner will be able to:		
	<ul style="list-style-type: none"> • Understand the concept of efficiency along with various solutions of market failure. • Comprehend the welfare distribution aspects in context of public goods besides grasping the preference revelation mechanisms. • Understand the economic implications of various taxes along with their positive as well as normative analysis, and thus become able to design an efficient and equitable taxation system. • Apply economic perspectives on activities of the government sector to become well-informed and engaged participants (citizens, voters, politicians and/or civil servants) in society. 		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ul style="list-style-type: none"> • Nine Questions will be set in all and students will be required to attempt 5 questions. • Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). • For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			
Unit	Topics	Contact Hours	
I	The Public Economy Exchange Economy, Production Economy and Efficiency; Asymmetric Information and market Failure; Externalities - Negotiation, Permit trading, Common property Resources; Rent Seeking; Efficiency Aspects of Public Enterprises - Marginal cost pricing, Peak Load Pricing, Theory of Second Best.	15	
II	Theory of Public Goods Efficient Provision of Public Goods; Bowen-Lindahl Model; Samuelson Model; Nash equilibrium Approach; Clarke Mechanism; Lindahl-Wicksell Mechanism; Theory of Club Goods; Global Public Goods.	15	
III	Analysis of Taxation Incentive Effects of Taxation on Labour Supply, Savings, and Risk Taking; Tax Incidence – Partial and General Equilibrium Analysis; Excess Burden of Tax and its Measurement; Efficiency and Equity	15	

	Principles of Taxation; Optimal Commodity Tax; Optimal Income Tax.	
IV	Economics of Public Choice Rational Voter Hypothesis; Characteristics of Majority Voting Rule; Bowen-Black Model; Buchanan and Tullock Model; Arrow's Impossibility Theorem; Downs Model; Bureaucratic Behaviour: Niskanen Model, Tullock Model.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Akerlof, G. (1970). The market for 'Lemons': Quality uncertainty and the market mechanism. Quarterly Journal of Economics, 84(3), 488-500. • Bergstrom, T., Blume, L. & Varian, H. (1986). On the Private Provision of Public Goods. Journal of Public Economics, 29, 25-49. • Boadway, Robin (1984). Public sector economics. Cambridge, Winthrop Publications. • Bowen, H.R. (1943). The interpretation of voting in the allocation of economic resources. The Quarterly Journal of Economics, 58(1), 27-48. • Buchanan, J. & Tullock, G. (1962). The calculus of consent. Ann Arbor Paperbacks. • Clarke, E.H. (1971). Multipart Pricing of Public Goods. Public Choice, 11, Rand McNally. • Coase, R. (1960). The problem of social cost. Journal of Law and Economics, 3, 1-44. • Cullis, John & Jones, Philip (2009). Public finance and public choice: Analytical Perspectives. Oxford University Press. • Den Doel, Hans Van & Velthoven, Ben Van (1993). Democracy and welfare economics. Cambridge University Press. • Downs, Anthony (1957). An economic theory of democracy. Harper & Row Publishers, New York. • Foley, D.K. (1970). Lindahl's solution and the core of an economy with public goods. Econometrica, 38(1), 66-72. • Hackelman, J.C. (2004). Readings in public choice economics. University of Michigan Press. • Hindricks, J. & Myles, G.D. (2013). Intermediate public economics. The MIT Press. • Ithori, Toshihiro (2016). Principles of public finance. Springer. 		

- Jha, Raghendra (1998). Modern public economics. Routledge.
- Lipsey, R.G. & Lancaster, K. (1956). The general theory of second best. Review of Economic Studies, 24, 11-32.
- McNutt, P.A. (2002). The economics of public choice. Edward Elgar.
- Mirrlees J. (1971). An Exploration in the Theory of Optimum Income Taxation. Review of Economic Studies, 38(2), 175-208.
- Niskanen, W. A. (1971). Bureaucracy and representative government. Aldine-Atherton, Chicago.
- Rosen, H. S. & Gayer, T. (2014). Public finance. McGraw Hill.
- Samuelson, P. A. (1954). The pure theory of public expenditure. Review of Economics and Statistics, 36(4), 387-389.
- Samuelson, P. A. (1955). Diagrammatic exposition of a theory of public expenditure. Review of Economics and Statistics, 37(4), 350-356.
- Tiebout, C.M. (1956). A pure theory of local expenditures. Journal of Public Economics, 64, 416-424.
- VK Global Publication PVT LTD, Public Finance, Delhi

Session 2025-2026	
Part-A Introduction	
Subject	Economics
Semester	VII
Name of the Course	Introduction to Econometrics
Course Code	B23-ECO-704
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-6
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	N.A.

Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: 1. Understand the definition, scope, and importance of econometrics, differentiate types of data and probability distributions, and apply Simple Linear Regression using Ordinary Least Squares (OLS) estimation methods. 2. Evaluate estimator properties, apply the Gauss-Markov Theorem, conduct significance tests with t and F tests, assess model goodness-of-fit, and understand various functional forms of regression models.. 3. Grasp the concept of multiple linear regressions, perform estimation and interpretation of results, and identify and address issues like multicollinearity, heteroscedasticity, and autocorrelation in OLS assumptions. 4. Create and use dummy variables, avoid the Dummy Variable Trap, They'll also be familiar with LPM, Logit, Probit Models, and Fixed Effects model estimation using the LSDV method . 5*.		
Credits	Theory	Practical	Total
	03	1	4
Contact Hours	03	2	5
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).			
Unit	Topics	Contact Hours	
I	Introduction to Econometrics: Definition scope, Methodology and importance of econometrics, Types of Data; Time Series data, Cross Section Data and Panel Data. Probability distributions; normal and t-distribution, Hypothesis testing and confidence intervals. Simple Linear Regression: Simple Linear Regression; Definition and assumptions, Estimation methods; Ordinary Least Squares (OLS),	12	
II	Estimation, Significance Testing, and Model Evaluation in Simple Regression : Desirable properties of an estimator, Gauss Markov Theorem, Test for the significance of parameter estimates (t-test and F-test), Goodness-of-fit and model evaluation, Functional forms of Regression Models	11	

III	Multiple Linear Regression and Violation of Assumptions: Multiple Linear Regression Model ; Definition and basic concept of multiple regression, Estimation and Interpretation; Causes and consequences of violation of OLS assumptions: Multicollinearity, Heteroscedasticity, and Autocorrelation.	11
IV	Dummy Variables and Fixed Effects Models: Definition and construction of dummy variables Use of dummy variables to represent categorical variables, reference category and its interpretation, Applications of dummy variables in Economics, Dummy Variable Trap, Uses of Dummy variable for testing structural change, seasonal analysis and interaction effect. LPM, Logit and Probit Models. Fixed effects model estimation by LSDV method.	11
V*	<ul style="list-style-type: none"> • Estimation of OLS Model and fitting regression line • Testing of Parameters • Testing the significance of overall equation • Detection and removal of multicollinearity-1 • Detection and removal of multicollinearity-2 • Detection and removal of heteroscedasticity-1 • Detection and removal of heteroscedasticity-2 • Detection and removal of autocorrelation • Dummy Variable applications-1 • Dummy Variable applications-2 • Dummy Variable applications-3 • Dummy Variable applications-4 • Dummy Variable applications-5 	15
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 5 Mid Term Exam 10 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc.: 10 Mid Term Exam:		End Term Examination:70 Theory :50 Practicum/ Viva Voce/Lab Records: 20
<ul style="list-style-type: none"> • Baltagi, B.H. (1988).Econometrics. Springer, New York. • Goldberger, A.S. (1998).Introductory Econometrics. OxfordUniversity Press, New York. • Gujarati, D.N. (1995).Basic Econometrics. McGraw Hill, New Delhi. • Intrilligator, M.D. (1978).Econometric Methods, Techniques and Applications. 		

Prentice Hall Englewood Cliffs, New Jersey.

- Johnston J. (1991). Econometric Methods. McGraw Hall Book Co. London.
- Kmenta J. (1998). Elements of Econometrics. University of Michigan Press, New York.
- Koutsoyiannis, A. (1977). Theory of Econometrics. The Macmillan Press Ltd. London.
- Maddala G.S. (Ed.) (1993). Econometric Methods and application. Aldershot U.K.
- Madnani, G.M.K. (2004). Introduction to Econometrics: Principles and Applications. Oxford & IBH Publishing Co. Pvt. Ltd. New Delhi.
- Pindyck R.S. & Rubinfeld, D.L. (1976). Econometric Models and Economic Forecasts. McGraw Hill Kogakusha Tokyo.

Session 2025-2026	
Part-A Introduction	
Subject	Economics
Semester	VII
Name of the Course	Growth Models in Economics
Course Code	B23-ECO-705
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-6
Level of the course (As per Annexure-I)	400-499
Pre-requisite for the course (if any)	N.A.

Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the basic concepts and tools used in growth models. 2. Be aware of the perspectives of various economists on growth process and able to identify the main factors responsible for economic growth. 3. Understand the models dealing with the problem of instability of equilibrium growth and its solution as well as the model of optimum growth. 4. Figure out the Cambridge models as well as a basic model of endogenous growth. 		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			
Unit	Topics		Contact Hours
I	Fundamentals of Growth Models Theories and Models; Positive and Normative Theories; Concepts of Growth Rate, and Steady Growth; Purposes of Growth Models; Types of growth theory; Role of assumptions. Introduction to Economic Growth and Development: Concepts and Indicators; Importance of Growth, World Income Distribution, History of Modern Growth Theory; Growth Accounting.		15
II	General Approaches to Economic Growth Classical Theories: Adam Smith and David Ricardo;		

	Marxian Theory of Capitalistic Development; Rostow Doctrine, Chenery's Pattern of Structural Change; The Schumpeterian theory, Dualistic Theories.	15
III	Growth Models – I Instability of Equilibrium: Harrod - Domar Model; Solow's Neo-Classical Growth Model; Duesenberry's Optimum Growth Model; Models of Technical Change; Structural Change Models (Lewis), Fei-Ranis Theory.	15
IV	Growth Models – II Cambridge Models: Joan Robinson and Kaldor; Romer's Endogenous Growth Model; Convergence and Divergence controversy; Lucas Model, Kremer's O-Ring theory of Economic Development.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination:70 Theory
<ul style="list-style-type: none"> ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) <li style="padding-left: 20px;">Class Participation 5 <li style="padding-left: 20px;">Seminar/Presentation/Assignment/Quiz/Class Test etc.:10 <li style="padding-left: 20px;">Mid Term Exam 15 ➤ Practicum <li style="padding-left: 20px;">Class Participation <li style="padding-left: 20px;">Seminar/Demonstration/Viva Voce/Lab Records etc. <li style="padding-left: 20px;">Mid Term Exam: 		
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> ● Jones, H.G. (1975). An introduction to modern theories of economic growth. London: Thomas Nelson Ltd. ● Puri, V.K. & Mishra, S.K. (2020). Economics of development and planning: Theory and practice. New Delhi: Himalaya Publishing House ● Adelman, I. (1961). Theories of economic growth and development. California: Stanford University Press. ● Vashisth, B.K. (1991). Aarthikvikasevamniyojan. Chandigarh: Haryana Sahitya Academy. ● Jones, C.I. & Vollrath, D. (2013). Introduction to economic growth. USA: W. W. Norton & Company. 		

- Puri, V.K. & Mishra, S.K. (2020). Economics of development and planning: Theory and practice. New Delhi: Himalaya Publishing House.
- Meier, G.M. & Rauch, J.E. (2010). Leading issues in economic development. New Delhi: Oxford University Press.
- Todaro, M.P. & Smith, S.C. (2020). Economic development. London: Pearson Education.
- Wayne Nafziger, E. (2006). Economic development. New York: Cambridge University Press.
- Barro R.J. & Sala-i-Martin (2004). Economic Growth. New Delhi; Prentice –Hall of India private limited.
- VK Global Publication PVT LTD, Development Economics, Delhi

Session 2025-2026			
Part-A Introduction			
Subject	Economics		
Semester	VII		
Name of the Course	Economic Data Analysis		
Course Code	B23-ECO-706		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	PC-H1		
Level of the course (Annexure-I)	400-499		
Pre-requisite for the course (if any)	Basic Statistics		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ol style="list-style-type: none"> 1. Understand the various types of data and measurement scales relevant to economics. 2. Develop and test economic hypotheses by z, t, and Chi-square test. 3. Apply the correlation, regression and ANOVA to analyse the economic data. 4. Use ICT based software and develop research paper writing skills. 		
	5*. Analyze Economic Data		
Credits	Theory	Practical	Total
	0	4	04
Contact Hours	0	8	08
Max. Marks: 100	Time: 3 Hrs		
Internal Assessment Marks:20+10*			
End Term Exam Marks: 50+20*			
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 1. Five Data Analysis Problems will be given in all by the examiner on the spot in the lab and the students will be required to analyze four of them. 2. At least one problem from each unit shall be given. 3. Each problems shall be of 10 marks. 			
Unit	Topics	Contact Hours	
I	Types of data- cross section data, time series data, panel data; Scales of data (nominal, ordinal, interval, ratio), Presentation of Data: Bar graph, Pie chart, Line graph, Scatter Plot, Frequency distributions, Histograms, Frequency Polygons, Relative-Frequency Distribution, Cumulative Frequency Distribution (Ogives and Percentage Ogives), Frequency Curves, Summarising the Data: central tendency (mean, mode, median), Dispersion (Range, Variance,	30	

	Standard Deviation), Skewness, Kurtosis.	
II	<p>Sampling Techniques: Random and Non Random Sampling (types and limitations)</p> <p>Sampling Distributions: Sampling distributions of mean, Proportions, Differences, and Sums; Standard Error.</p> <p>Probability Distribution: Random Variables, Expected values, Characteristics and uses of Binomial, Poisson and Normal distributions</p>	30
III	<p>Testing of hypothesis: Hypothesis testing Procedure; One Sample tests and Two Sample Tests (Z and t tests); Chi-Square test; One and Two tail tests; Confidence interval; level significance; p-value.</p> <p>Correlation Analysis: Simple, Partial and Multiple correlations; Rank Correlation; Testing the Significance of Correlation Coefficient.</p>	30
IV	<p>Regression: Meaning, Assumptions and applications of Regression Analysis; Simple Linear Regression Model; Relation between regression and correlation coefficients,</p> <p>ANOVA: Analysis of Variance (Basic Concepts); One way and Two ANOVA and its Applications in Economics, Similarities and differences between Regression and ANOVA; R-square.</p>	30
Suggested Evaluation Methods		
<p>Internal Assessment Practicum : 30</p> <p>Class Participation 5</p> <p>Seminar/Presentation/Assignment/Quiz/Class Test etc.:10</p> <p>Mid Term Exam:15</p>		Practicum: 70
Part-C Learning Resources		
<p>Recommended Books/E-Resources/LMS:</p> <ul style="list-style-type: none"> • Gupta S.C. (1993), Fundamentals of Statistics, S. Chand & Sons New Delhi • Spiegel, Murry R (1992), Theory and problems of Statistics ,Schaum’s outline series, McGraw Hill. • George Darren (2011): SPSS for Windows Step by Step: A simple Guide and Reference, Pearson Education, Prentice Hall. 		

- A. Koutsoyiannis (2004), Theory of Econometric, Palgrave Macmillan.
- VK Global Publication PVT LTD, Basic Statistics for Economics, Delhi

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VII		
Name of the Course	Basics of Demography		
Course Code	B23-ECO-707		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-HM1		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to <ol style="list-style-type: none"> 1. Draw on demographic concepts and population theories to explain past and present population characteristics. 2. Analyze the world population growth and trends and distinguish between the populations patterns of developed and less developed countries. 3. Understand and analyze various demographic issues in India. 4. Apply economic analysis to evaluate everyday Demographic problems. 		
5*			
Credits	Theory	Tutorial	Total
	03	01	04
Contact Hours	03	01	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 4. Nine Questions will be set in all and students will be required to attempt 5 questions. 5. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 6. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			
Unit	Topics		Contact Hours
I	Fundamentals of Demographic Analysis Definition, Nature and Scope of Demography, Sources of Demographic data, Fundamentals of Demographic Analysis,		

	Population and Economic Development.	15
II	Population Theories Malthusian theory Population Growth and Demographic Transition, Optimum Population theory, Theory of Demographic transition, Population aging: consequences of age structure.	15
III	The Causes of Population Change Fertility, causes of fertility change, Measurement of fertility, fertility differentials in India migration, causes, and migration consequences, Health and Mortality, Measurement.	15
IV	Data and Demographic features of Indian Population Census in India, National Family Health Survey-objectives and various rounds, Sample surveys in India, Civil Registration system Demographic features of Indian Population, Population Policies of India.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :10 Mid Term Exam :15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory

Session 2025-2026			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Mathematical Economics		
Course Code	B23-ECO-801		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	CC-H4		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ul style="list-style-type: none"> • Understand and design different forms of utility and demand functions; and thereby attain in-depth knowledge of optimization and related concepts in consumer behavior using mathematical derivations. • Elucidate various forms of production functions along with their working, and concepts of optimization, duality, product exhaustion, productivity and efficiency using mathematical equations. • Explain mathematically the concepts of market equilibrium as well as general equilibrium, and estimate, and interpret the time path of any economic variable. • Analyze and interpret the choices made by consumers, investors and firms under uncertainty, and over different time periods. 		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ul style="list-style-type: none"> • Nine Questions will be set in all and students will be required to attempt 5 questions. • Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). • For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			
Unit	Topics		Contact Hours

I	Consumer Behavior Types of Utility Functions; Ordinal utility maximization; Demand functions—ordinary and compensated; Slutsky equation; Consumer surplus; Elasticity of demand; Linear expenditure systems; Indirect utility function.	15
II	Production Function Analysis Production functions (CD, CES, Translog) and their properties; Producer’s equilibrium; Duality in cost and production functions; Product exhaustion theorems; Growth Accounting Equation; Methods for measuring productivity and efficiency.	15
III	Market Equilibrium Product and factor market equilibrium; Existence, uniqueness and stability of equilibrium; Static stability; Dynamic stability-lagged adjustment and continuous adjustment; General equilibrium - pure exchange, production and exchange, the numeraire and money.	15
IV	Choice Under Uncertainty and Optimization Over Time Problem of choice in situations of uncertainty and risk; Production under uncertainty; Futures market and hedging; Multi-period consumption; Time value of money and project selection criterion. Risk–return trade off.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Allen, R.G.D. (1972). Mathematical economics. Macmillan, London. • Allen, R.G.D. (2002). Mathematical analysis for economists. Macmillan Press and ELBS, London. • Chiang, A.C.(2006). Fundamental methods of mathematical economics. McGraw Hill, New York. • Chiang, A.C. (1999). Elements of dynamic optimization. Waveland Press Inc., Long 		

Grove, Illinois.

- Chung, J.W. (1994). Utility and production: Theory and applications. Basil Blackwell, London.
- Henderson, J. M., & Quandt, R.E. (2003). Microeconomic theory: A mathematical approach. McGraw Hill, New Delhi.
- Koutsoyiannis, A. (1979). Modern microeconomics. Macmillan Press, London.
- Lancaster, K. (2012). Mathematical economics. Dover Publications Inc., New York.
- Mehta, B. C. & Madnani, G. M. K. (2018). Mathematics for economists. Sultan Chand & Sons.
- Varian, H. (2006). Microeconomic analysis. W.W. Norton, New York.
- Vohra, N.D. (2008). Quantitative techniques in management. Tata McGraw Hill.

Session 2025-2026			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Environmental Economics		
Course Code	B23-ECO-802		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-H5		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ul style="list-style-type: none"> • Understand how environment affects the economic life and every aspect of the economy. • Develop the understanding of public goods, externalities and market failure through various theories of externality. • Have basic understanding of the concept & indicators of sustainable development. • Have an idea of international and Indian environmental policies and the measures adopted by the Indian government to control pollution across different sectors. 		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100	Time: 3 Hrs		

Internal Assessment Marks: 30 End Term Exam Marks: 70		
Part-B Contents of the Course		
Instructions for Paper Setters		
<ul style="list-style-type: none"> • Nine Questions will be set in all and students will be required to attempt 5 questions. • Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). • For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 		
Unit	Topics	Contact Hours
I	Environment and the Economy: Environment-Economy linkage; Major Environmental Issues; Sector-wise Pollution and Measures to Control Them: (Industrial Pollution; Agricultural Pollution and National Mission for Sustainable Agriculture; Transport Pollution)	15
II	Theories of Externality: Common Property Resources; Public Goods; Market failure and externalities; Pareto Optimality and perfect competition; External effects in production and consumption; Pigouvian taxes and subsidies; Property Rights and Coase Theorem; Tradable Permits	15
III	Sustainable Development: Concept and Indicators: Sustainable Development Goals; SDGs and India; concepts of Green GDP, Green Growth, Green Consumer and Green Business; Smart Cities Mission in India;	15
IV	Environmental Policy: International Environmental Policy; Trans-boundary environmental problems; Environmental Policy in India – Problems of command and control regime; Central Pollution Control Board; National Green Tribunal; Pollution Control Measures in India with Special Reference to Industry, Transport and Energy;	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70 Theory
➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15)		
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	

<p>➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:</p>	
Part-C Learning Resources	
<p>Recommended Books/E-Resources/LMS:</p> <ul style="list-style-type: none"> • Bhattacharya, Rabindra Nath (2002). Environmental Economics: An Indian Perspective. Oxford India. • Bromely, Daniel E The Handbook of Environmental Economics • Barry Field and Martha k Field: Environmental Economics, McGraw Hill International Edition, 2017. • Bhattacharya Rabindra Nath (Ed) (2001), Environmental Economics: An Indian Perspective, Oxford University Press, New Delhi. • Charles Kolstad, Intermediate Environmental Economics, Oxford University Press, 2nd edition, 2010. • Hanley Nick, Shogren Jason and White Ben: Introduction to Environmental Economics, Oxford University Press, 2001. • Hanley, Nick, Jason F Shogren & Ben White, (2008). Environmental Economics, Macmillan. • Henderson, J. M. & Quandt, R.E. (2003). Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi. • Kaltschmitt, Martin, Streicher, Wolfgang, Wiese, Andreas, Renewable Energy: Technology, Economics and Environment, Springer, Germany, 2007. • Koutsoyiannis, A. (1979). Modern Microeconomics, Macmillan Press, London. • V.S. Ganesamurthy: Environmental Economics in India, New Century Publications, New Delhi, 2009. • Robert N. Stavins (ed.), Economics of the Environment: Selected Readings, W.W. Norton, 5th edition, 2005. • Roger Perman, Yue Ma, James McGilvray and Michael Common, Natural Resource and Environmental Economics, Pearson Education/Addison Wesley, 3rd edition, 2003. • Maureen L. Cropper and Wallace E. Oates, 1992, —Environmental Economics: A Survey, Journal of Economic Literature, Volume 30:675-740. • Ministry of Environment & Forest website. 	

Session 2025-2026			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Schools of Economic Thought		
Course Code	B23-ECO-803		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	CC-H6		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the importance of historical development of ideas in Economics. 2. Make the students acquainted with Classical and Neo classical economic thoughts and synthesis of these thoughts by Marshall. 3. Evaluate the contribution of Keynes in Economics and importance of institutional Economics. 4. Understand the contribution of Indian economics philosophers. 		
	5*.		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ul style="list-style-type: none"> • Nine Questions will be set in all and students will be required to attempt 5 questions. • Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). • For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			
Unit	Topics		Contact Hours
I	Introduction: What is History of Economic Thought; Methodological Approaches; Political Economy and History of Economic		

	Thought Classical School: Smith- Division of Labour (Meaning, Origin, Advantages and Disadvantages); Malthus – The Principle of Population; Ricardo-Theory of Rent, Marx- Theory of Surplus Value; Marxian and Orthodox Economics	15
II	Neo Classical School: Nature and Origin of Neo Classical Economics; Jevons-Utility theory of value and Exchange; Walras: General Equilibrium model Marshall: Equilibrium price; Importance of Time Elements; Consumer Surplus; concept of Elasticity	15
III	Keynes: Effective Demand; Multiplier; Liquidity Preferences Theory Institutionalism: Meaning and Features of Institutional Economics; Veblon’s theory of Leisure class	15
IV	Indian Economic Thought: Kotilya- Main Economic Idea, Naroji- The Drain Theory, Ghandi- Decentralization of Small Production Units , Ambedkar- Problem of Rupee; Sen - Capability Functioning Approach to Development	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation :5 Seminar/Presentation/Assignment/Quiz/Class Test etc.:10 Mid Term Exam :15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		

Recommended Books/E-Resources/LMS:

- V. Lokanathan (2010), History of Economic Thought, S.Chand & Company, New Delhi.
- G. Vaggi and P. Groenewegen, (2014), A Concise History of Economic Thought: From Mercantilism to Monetarism, Palgrave Macmillan UK.
- Randy R. Grant (2006), The Evolution of Economic Thought, Thomson/South-Western.
- Joseph A. Schumpeter (1954), History of Economic Analysis, Oxford University Press.
- R.R. Paul (2010), History of Economic Thought, Kalyani Publishers, New Delhi.

Session 2025-2026			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Economics of Health		
Course Code	B23-ECO-804		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/VAC)	DSE-7		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After completing this course, the learner will be able to: <ul style="list-style-type: none"> • Understand the basics of economics of health. • Comprehend the various approaches of economic valuation of health and apply them for research in the field of health economics. • Elucidate the economic dimensions of health in terms of demand-supply considerations, and health care financing and understand concerned issues and challenges. • Analyze various health policy issues from normative perspective and design a health policy that can develop an efficient, equitable, and sustainable health sector. 		
	5*		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ul style="list-style-type: none"> • Nine Questions will be set in all and students will be required to attempt 5 questions. • Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). • For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			
Unit	Topics		Contact Hours
I	Introduction to Economics of Health Economics of health: Origin, Evolution, Scope and Relevance;		15

	Meaning, importance, and determinants of health; Relationship between Health and Economic Development; Distinction between health and health care; Curative, Preventive, and Promotive health care; Concepts of Health Outcomes/Status, and Health care infrastructure.	
II	Economic Valuation of Health Meaning, Importance, Types, and Approaches to modelling in economic evaluation; Cost-benefit analysis; Cost-effectiveness analysis; Cost Utility Analysis; Global Burden of Disease; Disability-Adjusted Life Years; Quality-Adjusted Life Years.	15
III	Economic Dimensions of Health Demand for health: Consumer as health producer, Investment aspects of health, Marginal efficiency of investment (MEI) approach, Grossman model; Demand for health care: Determinants and Measurement; Production, Cost, and Technology of health care; Financing of health and health care: Determinants, Sources (Public, private, out-of-pocket, and public-private partnership), and Challenges; Analysis of Health insurance.	15
IV	Health Policy Issues Role of National Health Mission (NRHM and NUHM) with reference to India; Health accounting in India; National Health Policy of India; Market failure in health care sector and need for government intervention; Efficiency, equity, utilization, and quality of health care services; Analysis of Health related SDGs; Implications of World Health Organization for Health care sector.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: <ul style="list-style-type: none"> • Bhattacharya,J., Hyde, T., & Tu, Peter (2014). Health economics. Palgrave Macmillan. • Dewar, D.M. (2010). Essentials of health economics. Jones and Bartlett Publishers, LLC. • Folland, S., Goodman, A.C.,& Stano, M. (2009). The economics of health and health care. New Delhi: Dorling Kindersley India Pvt. Ltd. • Elliott, R., & Payne, K. (2005). Essentials of economic evaluation in healthcare. U.K.: 		

- Pharmaceutical Press.
- Grossman, M. (1972). On the concept of health capital and the demand for health. *Journal of Political Economy*, 80, 223-255.
 - Grossman, M. (1992). *The demand for health: A theoretical and empirical investigation*. National Bureau of Economic Research (Columbia University Press), New York.
 - Grossman, M. (2017). *Determinants of health – An economic perspective*. Columbia University Press, New York Chichester, West Sussex.
 - Henderson, James W. (2005). *Health economics and policy*. New Delhi: South-Western Cengage Learning India Private Limited.
 - Joseph, A.E., & Philips, D.R. (1984). *Accessibility and utilization: Geographical perspectives on health care delivery*. New York: Harper & Row Publishers.
 - Krabbe, Paul F. M. (2017). *The measurement of health and health status: Concepts, methods and applications from a multidisciplinary perspective*. London: Academic Press.
 - McGuire, A., Henderson, J., & Mooney, G. (1988). *The economics of health care: An introductory text*. Routledge.
 - Mushkin, Selma J. (1962). Health as an investment. *Journal of Political Economy*, 70, 129-137.
 - Musgrove, P. (2004). *Health economics in development*. The World Bank.
 - Newhouse, J. (1977). Medical care expenditure: A cross-national survey. *Journal of Human Resources*, 12, 115-125.
 - Palmer, George R., & Ho, Maria Theresa (2008). *Health economics: A critical & global analysis*. Palgrave Macmillan.
 - Prasad, P., & Jesani, A. (2018). *Equity and access: Health care studies in India*. Oxford University Press.
 - Rana, H.P.S. (2009). *Health economics*. New Delhi: Alpha Publications.
 - Ruger, J. P., & Yach, D. (2014). The global role of the World Health Organization. *Glob Health Gov.*, 2(2), 1–11. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3981564/pdf/nihms559045.pdf>
 - WHO Commission on Macroeconomics and Health. (2001). *Macroeconomics and health: Investing in health for economic development*. <https://iris.who.int/handle/10665/42435>
 - Zweifel, P., Breyer, F., & Kifmann, M. (2009). *Health economics*. Springer.

Session 2025-2026			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Economics of Education		
Course Code	B23-ECO-805		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-7		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ul style="list-style-type: none"> • Understand the concept and importance of education, its relation with economic system and education as an investment. • Analyze the cost and benefits of Education. • Develop the understanding of education as an infrastructure. • Understand the relation between education and economic development and apply their knowledge for improvement in education system. 		
Credits	Theory	Tutorial	Total
	03	1	04
Contact Hours	03	1	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ul style="list-style-type: none"> • Nine Questions will be set in all and students will be required to attempt 5 questions. • Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). • For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			

Unit	Topics	Contact Hours
I	Economics of Education Meaning and Scope of Economics of Education; Relationship between Education and the Economic System (Capitalist Economic System; Socialist Economic System; Mixed Economic System); Education as an industry; Education as both consumption and Investment; Education as individual, social and national investment; Educational infrastructure and Economic Growth; Human Capital Theory.	15
II	Educational Technology Use of technology in education delivery; Impact of technology on learning outcomes; Life-Long Learning-Importance of continuous education and retraining; Policies to promote life-long learning in the workforce; Role of education in upward social mobility; Intergenerational transmission of educational attainment; Efficiency in Education.	15
III	Costs and Benefits Analysis in Education Cost of Education- Private and Social Cost; Waste and Stagnation; Benefits of Education- Direct and Indirect, Private and Social Benefits; Cost-benefit Model; Education Production Function; Education, productivity and Income; Educational Indicators; Efficiency in Education.	15
IV	Education and Economic Development Interrelationship between Education and Economic development; Resource constraints and Resource Mobilization; Education and economic development in urban and rural areas; Education externalities; Linkages between education and health outcomes; Suggestions for improvement in education system.	15
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =15) Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam 15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory
Part-C Learning Resources		
Recommended Books/E-Resources/LMS: REFERENCES: • Ainyemi, Samuel. (2013). The Economics of Education, Strategic Book		

<p>Publishing and Rights Co.</p> <ul style="list-style-type: none"> • Blaug, M. (Ed). (1968). Introduction to Economics of Education. Penguin Books, England. • Brewer, D.J. & Patrick, J.M. (2009) Economics of Education, Elsevier publication • Dustmann, C.,Fitzenberger, B.&Machin,S. (2008). The Economics of Education and Training. Springer • McMohan, W.W. (2000). Education and Development; Measuring the Social Benefit. Oxford University Press • Psacharopoulos, g. (2014). Economics of Education: research and studies. Pergamon Press, Elsevier Science LTD
--

Session 2025-2026			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Application Software(s) for Economics		
Course Code	B23-ECO-806		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	PC-H2		
Level of the course (As per Annexure-I)	400-499		
Pre-requisite for the course (if any)	Basic Statistics, Random variable, Probability distributions		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ul style="list-style-type: none"> • Understand the use various open source statistical software i.e. Excel, PSPP, SPSS, JASP, and Gretl to analyse economic data. • Prepare and present the summary of economic data by using these statistical software. • Calculate and interpret parametric and non parametric tests to test the relevant hypotheses. • Estimate the various economic functions by regression analysis and interpret the coefficients. 		
	5*. Learn Analyzing Economic Data		
Credits	Theory	Practical	Total
	0	4	04
Contact Hours	0	8	08
Max. Marks: 100 Internal Assessment Marks: 20+10*	Time: 3 Hrs		

End Term Exam Marks: 50+20*		
Part-B Contents of the Course		
Instructions for Paper Setters		
<p>1. Five Data Analysis Problems will be given in all by the examiner on the spot in the lab and the students will be required to analyze four of them.</p> <p>2. At least one problem from each unit shall be given.</p> <p>3. Each problems shall be of 10 marks.</p>		
Unit	Topics	Contact Hours
I	<p>Introduction to Open Source Statistical Software: Excel, PSPP, SPSS, JASP, Gretl; Preparing the data File; Importing and Exporting Data;</p> <p>Visual Description: Histogram, Stem-And-Leaf Display, Dotplot, Bar Chart, Line Chart, Pie Chart, Scatter Diagram, Cross-Tabulation, Cross-Tabulation with Cell Summary Information;</p> <p>Descriptive Statistics: Central Tendency, Dispersion, Box Plot, Kurtosis, and Skewness; Applications, precautions and interpretation of the Various Measures of Central Tendency and Dispersion in economics; Relationships among Measures of Central Tendency and Skewness; Standardizing the Data.</p>	30
II	<p>Parametric Tests: Hypothesis testing: the Basic Procedure; Large Sample Test, Small Sample Test – One Sample t Test, Independent Samples t Test, Paired Sample t Test, Comparing more than two samples - One-Way Analysis of Variance, Randomized Block Analysis of Variance, Two-Way Analysis of Variance; Chi-Squared Test for Goodness of Fit, Chi-Squared Test of Independence.</p>	30
III	<p>Non Parametric Tests: Wilcoxon Signed Rank Test for One Sample, Wilcoxon Signed Rank Test for Comparing Paired Samples, Wilcoxon Rank Sum (Mann-Whitney U) Test for Two Independent Samples, Kruskal-Wallis Test for Comparing More Than Two Independent Samples, Friedman Test for the Randomized Block Design, Runs Test for Randomness, Kolmogorov-Smirnov Test for Normality, Measures of Association – Kendall's Test, Spearman Rho.</p>	30

IV	<p>Regression Analysis: Nature of Regression Analysis; Simple and Multiple Regression Analysis (Estimation by OLS); Interpretations of Regression Coefficients; Partial and Overall Significance Regression Coefficients (t test, F test, P values, R-square);</p> <p>Assumption Check of Regression Analysis: Residual Plots (Residual vs. Dependent, Residual vs. Covariates, Residual vs. Predicted, Residual Histogram, and Q-Q Plot Standardized Residuals); Durbin-Watson Statistics, Collinearity Diagnostics (Eigen value, Condition Index, Tolerance Factor, and VIF).</p>	30
Suggested Evaluation Methods		
<p>Internal Assessment Practicum : 30</p> <p>Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc.:10 Mid Term Exam:15</p>	Practicum: 70	
Part-C Learning Resources		
<p>Recommended Books/E-Resources/LMS:</p> <ul style="list-style-type: none"> • Norris, G., Qureshi, F., Howitt, D., & Cramer, D. (2014). Introduction to statistics with SPSS for social science. Routledge • Spiegel, Murry R (1992), Theory and problems of Statistics ,Schaum’s outline series, McGraw Hill. • Ronald M. Weiers, J. Brian Gray and Lawrence H. Peters (2008). Introduction to Business Statistics, South-Western, Cengage Learning. • Scott Stevens (2013), INTRODUCTION TO STATISTICS THINK & DO, The Worldwide Centre for Mathematics. • Damodar N. Gujarati (2015), Basic Econometrics, McGraw Hill Education. • JASP, (2020), Statistical Analysis in JASP: A Guide for students, by Mark A Goss-Sampson. • Free Software Foundation, (2023), PSPP Users’ Guide, GNU PSPP Statistical Analysis Software. 		

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	Economics		
Semester	VIII		
Name of the Course	Economic Policy in India		
Course Code	B25-ECO-807		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	CC-HM2		
Level of the course (As per Annexure-I)	200-299		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Explain the central features and structural changes in the Indian economy since independence. 2. Interpret key concepts of national income, growth, and development. 3. Assess the impact of economic policies on major sectors. 4. Understand the basics of fiscal policy, monetary policy, and the Balance of Payments (BOP) framework in India. 		
5*			
Credits	Theory	Tutorial	Total
	03	01	04
Contact Hours	03	01	04
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 7. Nine Questions will be set in all and students will be required to attempt 5 questions. 8. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2*7=14 marks). 9. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each). 			
Unit	Topics		Contact Hours
I	Appraisal of Mahalabois strategies of Development, over view of resource allocation in India 5 year plans. Over view of financing of 5 year plans, achievements of 5 year plans		

	and NITI ayog , An appraisals of Economic reforms	15
II	Industrial Policies pre and after 1991; Policies towards Public sector since 1991; privatization of PSU's, Industrial relation policies of the government.	15
III	Reforms measure to strengthen the Indian money market; Second generation Indian Banking reforms, latest monetary policies of RBI; SEBI and Capital market development.	15
IV	Trade policies of government of India, special Economic zones, FERA, FEMA; Indian exchange rate polices (Capital Account convertibility), globalization and its impact.	15
V*		
Suggested Evaluation Methods		
Internal Assessment: 30 ➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12) Class Participation :5 Seminar/Presentation/Assignment/Quiz/Class Test etc. :10 Mid Term Exam :15 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam:		End Term Examination:70 Theory

Kurukshetra University, Kurukshetra
(Established by the State Legislature Act-XII of 1956)
("A++" Grade, NAAC Accredited)



**Scheme of Examination
for
Post Graduate Programme**

**M.SC- Economics (Honors) 5-Year Integrated
(1st to 5th Year)
as per NEP 2020**

Curriculum and Credit Framework for Postgraduate Programme

**With Multiple Entry-Exit, Internship and CBCS-LOCF
With effect from the session 2025-26 (in phased manner)**

**DEPARTMENT OF ECONOMICS
FACULTY OF SOCIAL SCIENCE**

**KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119
HARYANA, INDIA**

DEPARTMENT OF ECONOMICS
KURUKSHETRA UNIVERSITY, KURUKSHETRA
(Established by the state Legislature Act –XII of 1956)
Structure, Scheme of Examination and Syllabi (Semester I to X) for the Subject of
M. Sc. Economics (Honors) 5 Year Integrated Programme
To be implemented in Institute of Integrated Honors Studies (IIHS)
Choice Based Credit System (CBCS-LOCF) in accordance with NEP-2020 with Multiple Entry/Exit System
w.e.f. 2024-25 (in phased manner)

List of Courses Offered in Subject of M. Sc. Economics (Honors) 5 Year Integrated Programme – Single Major in Economics (Scheme C)

Sem	Course Type	Course Code	Name of Course	Credits	Contact Hours per Week	Internal Assessment Marks	End Term Exam Marks	Total Marks	Duration of Exam (Hrs.)
I	MCC-1	B23-MSE-101	APPLIED MICRO ECONOMICS-I	4	3T+2P	20T+10P	50T+20P	100	3
I	MCC-2	B23-MSE-102	APPLIED MACRO ECONOMICS-I	4	3T+2P	20T+10P	50T+20P	100	3
I	CC-M1	B23-ECO-103	INTRODUCTORY ECONOMICS	2	2	15	35	50	3
I	MDC-1	B23-ECO-104	BASICS OF ECONOMICS	3	3	25	50	75	3
II	MCC-3	B23-MSE-201	QUANTITATIVE METHODS FOR ECONOMISTS-I	4	3T+2P	20T+10P	50T+20P	100	3
II	CC-M2	B23-ECO-202	INTRODUCTION TO INDIAN ECONOMY	2	2	15	35	50	3
II	DSEC-1	B23-MSE-203	STATISTICAL TECHNIQUES FOR ECONOMICS	4	3T+2P	20T+10P	50T+20P	100	3
II	MDC-2	B23-ECO-204	INDIAN ECONOMIC ENVIRONMENT	3	3	25	50	75	3
III	MCC-4	B23-MSE-301	APPLIED MICRO ECONOMICS-II	4	3T+2P	20T+10P	50T+20P	100	3
III	MCC-5	B23-MSE-302	APPLIED MACRO ECONOMICS-II	4	3T+2P	20T+10P	50T+20P	100	3
III	MDC-3	B23-ECO-303	CURRENT ISSUES IN GLOBAL ECONOMY	3	3	25	50	75	3
IV	MCC-6	B23-MSE-401	QUANTITATIVE METHODS FOR ECONOMISTS-II	4	3T+2P	20T+10P	50T+20P	100	3
IV	MCC-7	B23-MSE-402	BASIC ECONOMETRICS	4	3T+2P	20T+10P	50T+20P	100	3
IV	MCC-8	B23-MSE-403	ADVANCED STATISTICAL METHODS FOR ECONOMISTS	4	3T+2P	20T+10P	50T+20P	100	3
IV	DSE-1 OR	B23-MSE-404	FINACIAL MARKETS & SYSTEM	4	3T+2P	20T+10P	50T+20P	100	3

IV	DSE-1	B23-MSE-405	MONEY, BANKING & FINANCE	4	3T+2P	20T+10P	50T+20P	100	3
Sem	Course Type	Course Code	Name of Course	Credits	Contact Hours per Week	Internal Assessment Marks	End Term Exam Marks	Total Marks	Duration of Exam (Hrs.)
V	MCC-9	B23-MSE-501	DEVELOPMENT ECONOMICS –I	4	3T+2P	20T+10P	50T+20P	100	3
V	MCC-10	B23-MSE-502	INTERNATIONAL TRADE	4	3T+2P	20T+10P	50T+20P	100	3
V	DSE-2 OR	B23-MSE-503	PUBLIC FINANCE	4	3T+2P	20T+10P	50T+20P	100	3
V	DSE-2	B23-ECO-503	ECONOMICS OF INFRASTRUCTURE	4	4	30	70	100	3
V	DSE-3 OR	B23-MSE-504	CONTEMPORARY ISSUES IN INDIAN ECONOMY-I	4	3T+2P	20T+10P	50T+20P	100	3
V	DSE-3	B23-ECO-505	HARYANA ECONOMY	4	4	30	70	100	3
VI	MCC-11	B23-MSE-601	DEVELOPMENT ECONOMICS-II	4	3T+2P	20T+10P	50T+20P	100	3
VI	MCC-12	B23-MSE-602	INTERNATIONAL FINANCE	4	3T+2P	20T+10P	50T+20P	100	3
VI	DSE-4 OR	B23-MSE-603	ECONOMICS OF SOCIAL CHOICE	4	3T+2P	20T+10P	50T+20P	100	3
VI	DSE-4	B23-ECO-604	ECONOMICS OF INSURANCE	4	4	30	70	100	3
VI	DSE-5 OR	B23-MSE-605	CONTEMPORARY ISSUES IN INDIAN ECONOMY-II	4	3T+2P	20T+10P	50T+20P	100	3
VI	DSE-5	B23-ECO-606	WELFARE ECONOMICS	4	4	30	70	100	3

Kurukshetra University, Kurukshetra

Scheme of Examination for M. Sc. Economics (Honors) 5 Year Integrated Programme (4th and 5th year)

as per NEP 2020 Curriculum and Credit Framework for Postgraduate Programmes

(CBCS LOCF) with effect from the session 2024-25 (in phased manner to be implemented only in Institute for Integrated Honours Studies)

Se me ster	Course Type	Course Code	Nomenclature of course	Theory (T)/ Practical (P)/ Tutorial(TU)	Credits		Contact hours/ week L: Lecture P: Practical T: Tutorial				Internal Assessment Marks		End Term Examination Marks		Total Marks	Examin ation hours
						Total	L	T	P	Total						
7	CC-H1	B25-MSE-701	Advanced Micro Economic Analysis-I	T+TU	3+1	24	3	1	0	4	T 30	P 00	T 70	P 00	100	3T
	CC-H2	B25-MSE-702	Advanced Macro Economic Analysis-I	T+TU	3+1		3	1	0	4	T 30	P 00	T 70	P 00	100	3T
	CC-H3	B25-MSE-703	Mathematical Economics-I	T+TU	3+1		3	1	0	4	T 30	P 00	T 70	P 00	100	3T
	PC-H1	B25-MSE-704	Data Analytics for Economists I	T+P	0+4		0	0	8	8	T 00	P 30	T 00	P 70	100	0T+3P
	DSE-H1	B25-MSE-705	Advanced Public Economics-I	T+P	3+1		3	0	2	5	T 20	P 10	T 50	P 20	100	3T+3P
		B25-MSE-706	History of Economic Thought	T+P	3+1		3	0	2	5	T 20	P 10	T 50	P 20	100	3T+3P
		B25-MSE-707	Methodology of Economics	T+P	3+1		3	0	2	5	T 20	P 10	T 50	P 20	100	3T+3P
		B25-MSE-708	MOOC from SWAYAM or other approved online portals	T	4											

8 th	CC-HM1	From Available Minor of 4 credits as per NEP				24										
	CC-H4	B25-MSE-801	Advanced Micro Economic Analysis-II	T+TU	3+1		3	1	0	4	T 30	P 00	T 70	P 00	100	3T
	CC-H5	B25-MSE-802	Advanced Macro Economic Analysis-II	T+TU	3+1		3	1	0	4	T 30	P 00	T 70	P 00	100	3T
	CC-H6	B25-MSE-803	Mathematical Economics-II	T+TU	3+1		3	1	0	4	T 30	P 00	T 70	P 00	100	3T
	PC-H2	B25-MSE-804	Data Analytics for Economists II	T+P	0+4		0	0	8	8	T 00	P 30	T 00	P 70	100	0T+3P
	DSE-H2	B25-MSE-805	Advanced Public Economics-II	T+P	3+1		3	0	2	5	T 20	P 10	T 50	P 20	100	3T+3P
		B25-MSE-806	Political Economy	T+P	3+1		3	0	2	5	T 20	P 10	T 50	P 20	100	3T+3P
		B25-MSE-807	Logical Reasoning in Social Sciences	T+P	3+1		3	0	2	5	T 20	P 10	T 50	P 20	100	3T+3P
		B25-MSE-808	MOOC from SWAYAM or other approved online portals	T	4											
CC-HM2	From Available Minor of 4 credits as per NEP															

Semester	Course Type	Course Code	Nomenclature of course	Theory (T)/ Practical (P)	Credits		Contact hours/ week L: Lecture P: Practical T: Tutorial				Internal Assessment Marks		End Term Examination Marks		Total Marks	Examination hours
						Total	L	T	P	Total						
9	CC-PG1	B25-MSE-901	Global Economic Environment	T+TU	3+1	24	3	1	0	4	T 30	P 00	T 70	P 00	100	3T
	CC-PG2	B25-MSE-902	Demography	T+TU	3+1		3	1	0	4	T 30	P 00	T 70	P 00	100	3T
	CC-PG3	B25-MSE-903	Agricultural Economics	T+TU	3+1		3	1	0	4	T 30	P 00	T 70	P 00	100	3T
	PC-PG1	B25-MSE-904	Research Methodology	T+P	0+4		0	0	8	8	T 00	P 30	T 00	P 70	100	0T+3P
	DSE-PG1	B25-MSE-905	International Financial System	T+P	3+1		3	0	2	5	T 20	P 10	T 50	P 20	100	3T+3P
		B25-MSE-906	Industrial Economics	T+P	3+1		3	0	2	5	T 20	P 10	T 50	P 20	100	3T+3P
		B25-MSE-907	Advanced Econometrics	T+P	3+1		3	0	2	5	T 20	P 10	T 50	P 20	100	3T+3P

10 th		B25-MSE-908	MOOC from SWAYAM or other approved online portals	T	4														
		CC-HM3	From Available Minor of 4 credits as per NEP																
		CC-PG4	B25-MSE-1001	Comparative Economic Systems	T+TU	3+1	24	3	1	0	4	T 30	P 00	T 70	P 00	100	3T		
		CC-PG5	B25-MSE-1002	Environmental Economics and Sustainable Development	T+TU	3+1		3	1	0	4	T 30	P 00	T 70	P 00	100	3T		
		Dissertation/Project work	B25-MSE-1003	DISSERTATION or PROJECT		12		0	0	0	12	0		300		300			
	CC-HM4	From Available Minor of 4 credits as per NEP																	
	Total Credit (VII to X)					96													

Table-1

Course composition- Theory/Theory +Tutorial			
Course Credit	Internal Assessment marks	End term exam marks	Total marks
2	15	35	50
4	30	70	100

Table-2: Course composition- Theory + Practical

Course Credit	Theory		Practical		Total marks
Theory +Practical	Internal Assessment marks	End term exam marks	Internal Assessment marks	End term exam marks	
1+1	10	20	5	15	50
2+0	15	35	-	-	50
3+1	20	50	10	20	100
4+0	30	70	-	-	100
0+4	NA	NA	30	70	100

Table- 3

Total Internal Assessment Marks (Theory)	Class Participation	Seminar/Presentation/Assignment/Quiz/class test, etc.	Mid-Term Exam
10	4	0	6
15	4	4	7
20	5	5	10
30	5	10	15

Table -4

Total Internal Assessment Marks (Practicum)	Class Participation	Seminar/Demonstration/Viva-Voce/Lab record, etc.	Mid-Term Exam
5	0	5	0
10	5	5	0
30	5	10	15

Kurukshetra University, Kurukshetra

(Established by the State Legislature Act-XII of 1956)

("A++" Grade, NAAC Accredited)



Syllabus of Examination

for

Post Graduate Programme

M.SC- Economics (Honors) 5-Year Integrated

(5th to 10th Semester)

as per NEP 2020

Curriculum and Credit Framework for Postgraduate Programme

With Multiple Entry-Exit, Internship and CBCS-LOCF

With effect from the session 2025-26 (in phased manner)

DEPARTMENT OF ECONOMICS

FACULTY OF SOCIAL SCIENCE, KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119

HARYANA, INDIA

Programme Learning Outcomes (PLOs) for PG Programme M.Sc. Economics Honors 5-Year Integrated Programme

PLOs	M.SC- Economics (Honors) 5-Year Integrated
	After the completion of M.SC- Economics (Honors) 5-Year Integrated programme the student will be able to:
PLO-1: Knowledge and Understanding	Demonstrate the fundamental and advanced knowledge of the subject and understanding of recent developments and issues, including methods and techniques, related to Economics .
PLO-2: General Skills	Acquire the general skills required for performing and accomplishing the tasks as expected to be done by a skilled professional in the fields of Economics .
PLO-3: Technical/ Professional Skills	Demonstrate the learning of advanced cognitive technical/professional skills required for completing the specialized tasks related to the profession and for conducting and analyzing the relevant research tasks indifferent domains of Economics .
PLO-4: Communication Skills	Effectively communicate the attained skills of Economics in well-structured and productive manner to the society at large.
PLO-5: Application of Knowledge and Skills	Apply the acquired knowledge and skills to the problems in the subject area, and to identify and analyze the issues where the attained knowledge and skills can be applied by carrying out research investigations to formulate evidence-based solutions to complex and unpredictable problems associated with the field of Economics or otherwise.
PLO-6: Critical thinking and Research Aptitude	Attain the capability of critical thinking in intra/inter-disciplinary areas of Economics enabling to formulate, synthesize, and articulate issues for designing of research proposals, testing hypotheses, and drawing inferences based on the analysis.
PLO-7: Constitutional, Humanistic, Moral Values and Ethics	Know constitutional, humanistic, moral and ethical values, and intellectual property rights to become a scholar/professional with ingrained values in expanding knowledge for the society, and to avoid unethical practices such as fabrication, falsification or misrepresentation of data or committing plagiarism.
PLO-8: Capabilities/qualities and mindset	To exercise personal responsibility for the outputs of own work as well as of group/team and for managing complex and challenging work(s) that requires new/strategic approaches.
PLO-9: Employability and job-ready skills	Attain the knowledge and skills required for increasing employment potential, adapting to the future work and responding to the rapidly changing demands of the employers/industry/society with time.

Session 2024-2025			
Part-A Introduction			
Subject	M.Sc. Economics (Honors) 5-Year Integrated Programme		
Semester	V		
Name of the Course	DEVELOPMENT ECONOMICS-I		
Course Code	B23-MSE-501		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	MCC-9		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1.To understand the core concept of Economic development, underdevelopment, features of Underdeveloped Economies, Approaches to Economic Development along with understanding the different Measures of Economics Development so that they are able to apply the understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze problems of economic development. 2.To understand about the problems of underdeveloped economies and exhibit the ability to learn different theories of underdevelopment Vicious Circle of Poverty, Lewis Unlimited Supply of Labour, Fei and Ranis Theory, Low level Equilibrium trap, and Critical Minimum Effort so that they able to understand how to remove the different obstacles to economic development. 3.Exhibit the ability to learn about different theories and approaches of economic development given by Adam Smith, Karl Marx and Schumpeter. 4.Understand about the core concept of economic planning, objectives, Need and different strategies of Economic Planning along with the concept of Sustainable Development & NITI Aayog. <p>5*. Understand the different measures of economics development such as Income Measures, PQLI, UNDP Measures along with the concept of Sustainable Development & NITI Aayog</p>		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5

Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	

Part-B Contents of the Course

Instructions for Paper Setters

- Nine Questions will be set in all and students will be required to attempt 5 questions.
- Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks).
- For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each).

Unit	Topics	Contact Hours
I	Introduction to Economic Development Basic concepts of Economic Growth & Economic Development, Features of Underdeveloped Economies, Approaches to Economic Development, Determinants of Economic Development. Measures of Economics Development: Income Measures, PQLI, UNDP Measures (HDI, HPI, GDI), Sustainable Development.	12
II	Approaches of Economic Development Vicious Circle of Poverty, Lewis Unlimited Supply of Labour, Fei and Ranis Theory, Low level Equilibrium trap, Critical Minimum Effort	11
III	Theories of Economic Development Adam Smith Theory of Economic Development, David Ricardo, Marxian Theory of Development, Schumpeter Theory of Development,	11
IV	State & Economic Planning Meaning, Objectives, Need and Strategies of Economic Planning in India, Development Experiences Under Plan Periods, Role of State in Economic Development, NITI Aayog	11
V*	Practicum Syllabus: 1. Measures of Economics Development: Income Measures 2. PQLI 3. UNDP Measures (HDI, HPI, GDI) 4. Sustainable Development 5. NITI Aayog	30

Suggested Evaluation Methods

<p>Internal Assessment:</p> <ul style="list-style-type: none"> ➤ Theory <li style="padding-left: 20px;">Class Participation 5 <li style="padding-left: 20px;">Seminar/Presentation/Assignment/Quiz/Class Test etc. 5 <li style="padding-left: 20px;">Mid Term Exam: 10 ➤ Practicum (15 Hours) <li style="padding-left: 20px;">Class Participation <li style="padding-left: 20px;">Seminar/Demonstration/Viva Voce/Lab Records etc.10 <li style="padding-left: 20px;">Mid Term Exam: 	<p>End Term Examination:</p> <p>Theory - 50 viva voce* - 20</p>
--	--

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Behrman, S. and T.N. Srinivasan (1995), Handbook of Development Economics, Vol. 3, Elsevier, Amsterdam.
- Bhagwati, J. and P. Desai (1970), India: Planning for Industrialization, Oxford University Press, London.
- Brown, M. (1966), On the Theory and Measurement of Technical Change, Cambridge University Press, Cambridge, Mass.
- Chakravarti, S. (1982), Alternative Approaches to the Theory of Economic Growth, Oxford University Press, New Delhi.
- Chakravarti, S. (1987), Development Planning: The Indian Experience, Clarendon Press, Oxford.
- Chenery, H. and T. N. Srinivasan (Eds.) (1989), Handbook of Development Economics, Vols. 1 & 2, Elsevier, Amsterdam.
- Dasgupta, P. (1993), An Enquiry into Well-being and Destitution, Clarendon Press, Oxford.
- Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London.
- Gillis, M., D. H. Perkins, M. Romer and D. R. Snodgrass (1992), Economics of Development, (3rd Edition), W.W. Norton, New York.
- Hirschman, A.O. (1958), The Strategy of Economic Development, Yale University Press, New York.
- Kindleberger, C.P. (1977), Economic Development, (3rd Edition), McGraw Hill, New York.
- Lewis, W.A. (1955), The Theory of Economic Growth, George Allen and Unwin, London.
- Meier, G. M. and J. E. Rauch (2005), Leading Issues in Economic Development, (8th Edition), Oxford University Press, New Delhi.
- Nayyar, D. (Ed.) (1994), Industrial Growth and Stagnation: The Debate in India, Oxford University Press, New Delhi.
- Sen, A. (1983), Poverty and Famines, Oxford University Press, Oxford.
- Sen, A.K. (Ed.) (1990), Growth Economics, Penguin, Harmondsworth.
- Sen, A. (1992), Inequality Reexamined, Oxford University Press, Oxford.
- Todaro, M.P. and S. C. Smith (2003), (8th Edition), Economic Development, Pearson Education, Delhi.
- VK Global Publication PVT LTD, Development Economics (2024)

Session 2024-2025			
Part-A Introduction			
Subject	M.Sc. Economics (Honors) 5-Year Integrated Programme		
Semester	V		
Name of the Course	International Trade		
Course Code	B23-MSE-502		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	MCC-10		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the basic economic concepts of International trade. 2. Have Knowledge of classical and Neo classical views of international trade. 3. Have understanding the knowledge of the modern views on trade. 4. Understand the basic concepts of trade analysis and trade restrictions effects. <p>5*. Able to computations and drawing the trade theories conclusions and trade analysis techniques.</p>		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each). 			
Unit	Topics		Contact Hours
I	Introduction Need for a separate theory; Difference between international and interregional trade; Contents of international trade; Distinguishing features of international trade; Importance of International;		12

	Advantages and Dis-Advantages of international trade.	
II	<p>Classical Theory of International Trade Mercantilist views; Absolute advantage, Comparative advantage theories.</p> <p>Neo Classical Theory of international Trade Opportunity costs theory; Offer curves, The theory of Reciprocal Demand.</p>	11
III	<p>Modern Theories-I H-O theory of International trade; Leontief Paradox; Factor price equalization Theorem</p> <p>Alternative Theories Single specific factor model, Two specific factor model; Economies of scale and trade; Linder's trade pattern</p>	11
IV	<p>Trade Analysis Terms of trade, their uses and limitations; Gains from trade; Prebisch –Singer thesis</p> <p>Tariff and Non Tariff Barriers Partial and General equilibrium analysis of tariff and Quota; other non tariff barriers.</p>	11
V*	<p>Practicum Syllabus:</p> <ol style="list-style-type: none"> 1. Calculation of absolute advantage 2. Calculation of Comparative advantage 3. Derivation of Opportunity cost 4. Draw diagrams of trade with Opportunity cost 5. Derivation of Factor Price Equalization 6. Draw diagrams of Single Specific Model 7. Draw diagrams of Economies of Scale and Trade 8. Computations of Terms of trade 9. Draw diagrams of Gains from Trade 10. Computations of Tariff effects with diagrams 	30
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <p>➤ Theory</p> <p>Class Participation 5</p> <p>Seminar/Presentation/Assignment/Quiz/Class Test etc. 5</p> <p>Mid Term Exam: 10</p> <p>➤ Practicum (15 Hours)</p> <p>Class Participation</p> <p>Seminar/Demonstration/Viva Voce/Lab Records etc. 10</p> <p>Mid Term Exam:</p>		<p>End Term Examination:</p> <p>Theory - 50</p> <p>viva voce* - 20</p>
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> ● <i>Dominick Salvatore, International Economics: Trade and Finance, John Wiley International Student</i> 		

Edition, 10th edition, 2011.

- Francis Cherunilam, *International Economics*, McGraw Hill Education; 5th edition (1 July 2017)
- Francis Cherunilam *International Trade and Export Management*, Himalaya Publishing House (1 January 2019)
- K.C. Rana & K.N. Verma, *International Economics* Vishal Publishing Co.; 5th (Revised) edition
- Chacholiades, M.(1990), *International Trade: Theory and Policy*, McGraw Hill, Kogakusha, Japan.
- Krugman, P.R. and M. Obstfeld (1994), *International Economics: Theory and Policy*, Glenview, Foresman.
- Sodirston, Bo.(1991), *International Economics*, The Macmillan Press Ltd. London.
- VK Global Publication PVT LTD, *International Economics*(2024)

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	M.Sc. Economics (Honors) 5-Year Integrated Programme		
Semester	V		
Name of the Course	PUBLIC FINANCE		
Course Code	B23-MSE- 503		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC	DSE-2		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	1. Understand the concept of Mixed economy and Understand the role performed by the government in a mixed economy system		
	2. Understand the concept of public goods and private goods. Discuss the theoretical models (Samuelson's Pure Theory of Public Expenditure)		
	3. Understand the concept of equity and the concept of efficiency		
	4. Learn the theory of Excess burden of tax, and its measurement.		
	5* To exhibit the ability to learn and apply relevant principles of public finance.		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30

End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Nine Questions will be set in all and students will be required to attempt 5 questions.			
2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks).			
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each).			
Unit	Topics	Contact Hours	
I	Economic Rationale of Mixed Economy; Role of Government in a State; Efficiency, market and Governments; Market Failure and the rationale for Government Intervention; Asymmetric Information and market failure; The problem of Externalities and their Internalization. Law of Maximum Social Advantage.	12	
II	Concepts, characteristics and types of public goods; Efficient provision of Public goods- Samuelson Model. Wagner Hypothesis, Wiseman-Peacock hypothesis; Theory of Club Goods	11	
III	Efficiency and equity principles of taxation; Incentive effects of taxation on labour supply; Supply of savings and risk taking; Taxation and Investment. Tax system: partial and general equilibrium analysis.	11	
IV	Normative analysis of taxation-Income vs excise tax; Excess burden of tax, and its measurement; Concept of Impact, Incidence and Shifting of Taxation; Indian taxation system and GST. Latest Finance Commission Recommendations.	11	
V*	Practicum syllabus:		
	<ul style="list-style-type: none"> • Asymmetric Information and market failure-discussion • Characteristics and types of public goods-applications • Taxation & investment - Analysis • Incentive effects of taxation on labour supply-derivations • Goods and Services Tax (GST)-calculations. 	30	
Suggested Evaluation Methods			
Internal Assessment:		End Term Examination:	
➤ Theory		Theory 50	
Class Participation	5	Viva Voce *20	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	5		
Mid Term Exam:	10		
➤ Practicum (15 Hours)			
Class Participation			
Seminar/Demonstration/Viva Voce/Lab Records			

etc. 10 Mid Term Exam:

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

1. Bagchi, Amaresh (Ed.). (2005). Readings in Public Finance. Oxford University Press.
2. Boadway, Robin (1984). Public Sector Economics. Cambridge, Winthrop Publications.
3. Economic Survey, Government of India (Latest).
4. H. Rosen, T. Gayer: Public Finance, 9th ed., McGraw-Hill/Irwin, 2009.
5. Harvey Rosen, Public Finance, McGraw Hill Publications, 7th edition, 2005.
6. J. Hindriks, G. Myles: Intermediate Public Economics, MIT Press, 2006.
7. John Cullis and Philip Jones, Public Finance and Public Choice, Oxford University Press, 1st edition, 1998.
8. Joseph E. Stiglitz, Economics of the Public Sector, W.W. Norton & Company, 3rd edition, 2000.
9. Kaushik Basu and A. Maertens (ed.), The New Oxford Companion to Economics in India, Oxford University Press, 2013.
10. M. Govinda Rao, 2011, —Goods and Services Tax: A Gorilla, Chimpanzee or a Genius like Primates?, Economic and Political Weekly, February 12-18.
11. M. Govinda Rao, Changing Contours of Federal Fiscal Arrangements in India, Amaresh Bagchi (ed.), Readings in Public Finance, Oxford University Press, 2005.
12. M.M. Sury, Government Budgeting in India, 1990.
13. Mahesh Purohit, Value Added Tax: Experiences of India and Other Countries, 2007.
14. Oates, W. E. (1999). An Essay on Fiscal Federalism. Journal of Economic Literature, 37(3), 1120-1149.
15. Paul Samuelson, 1955, —Diagrammatic Exposition of a theory of Public Expenditure, Review of Economics and Statistics, Volume 37.
16. R.A. Musgrave and P.B. Musgrave, Public Finance in Theory & Practice, McGraw Hill Publications, 5th edition, 1989.
17. Rangarajan and D.K. Srivastava, 2005, —Fiscal Deficit and Government Debt: Implications for Growth and Stabilization”, Economic and Political Weekly, July 2-8.
18. Report of the Finance Commission (Latest).
19. Roemer, J. (1998). Theories of Distributive Justice. Harvard University Press.
20. Shankar Acharya, 2005, —Thirty Years of Tax Reform in India”, Economic and Political Weekly, May 14-20.
21. Tiebout, C.M. (1956). A Pure Theory of Local Expenditures. Journal of Public Economics, 64, 416-424
22. VK Global Publication PVT LTD, Public Finance(2024)

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	M.Sc. Economics (Honors) 5-Year Integrated Programme		
Semester	V		
Name of the Course	ECONOMICS OF INFRASTRUCTURE		
Course Code	B23-ECO- 504		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-2		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	1. It will help the learners to know about the role of infrastructure in economic development. 2. The learners will understand the different types of infrastructure and its significance. 3. The learners will gain knowledge about the issues related to financing of infrastructure. 4. The learners will also learn about the various schemes and policies for infrastructure development in India.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks).			

3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each).

Unit	Topics	Contact Hours
I	Introduction :Nature and scope of infrastructure economics, infrastructure and its characteristics, significance of infrastructure. Problems of infrastructure in developing economies.	15
II	Physical Infrastructure: Transport, Information & Communication, Energy; Social Infrastructure: Education and Health, Sources and problems of financing infrastructure.	15
III	Infrastructure-Development Linkages: Infrastructure as Public Good – Issues in non-excludability and non rivalrous consumption; Nature of Public Utilities; The Peak-Load, Off-Load Problem; Issues in Privatization of Infrastructure.	15
IV	Special Initiatives/Programmes in Rural and Urban Infrastructure Prime Minister Gram Sadak Yojana (PMGSY); Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY); Reviving Water Harvesting Systems and Watershed; Swachh Bharat Mission (Rural and Urban); Smart City: Key Components, Performance and Challenges.	15
Suggested Evaluation Methods		
Internal Assessment: > Theory Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 10 Mid Term Exam: 15		End Term Examination: Theory 70

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Gómez-Ibáñez, J.A., & Liu, Z. (2022). Infrastructure Economics and Policy: International Perspectives. LincolnInstitute of Land Policy
- <https://drive.google.com/file/d/1PXOqiMLc5awNbpPWlJXNS7x2W7O1i5Z9/view> (Infrastructure Economics Department of Social Sciences Prof. Nalin Bharti Indian Institute of Technology Madras)
- India Development Reports. Oxford University Press, New Delhi.
- Morris, S. (2007), 'Infrastructure', in Kaushik Basu (Ed.), The Oxford Companion to Economics in India, Oxford University Press, New Delhi.
- Panchamukh, P.R. (1980), Economics of Health: A Trend Report in ICSSR, A Survey of

Research in Economics, Vol. VI, Infrastructure, Allied, Delhi.

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	M.Sc. Economics (Honors) 5-Year Integrated Programme		
Semester	V		
Name of the Course	CONTEMPRARY ISSUES IN INDIAN ECONOMY-I		
Course Code	B23-MSE-504		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-3		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Have knowledge about basic issues like Overpopulation, urbanization, Rural-urban migration, poverty, unemployment etc 2. Have understanding of regional backwardness, and regional imbalances, and issues relating to Haryana economy 3. Have knowledge about human resource development, education& healthcare, labor productivity measures, gender and economic development 4. Have understanding about economic reforms, competitiveness of India trade and industry, Special economic zones, NITI ayog 5*. Identify problem areas in the contemporary issues of Indian economy problems and solutions, using the analytical tools developed in the course. 		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
Part-B Contents of the Course			
Instructions for Paper Setters			
<p>1] Nine Questions will be set in all and students will be required to attempt 5 questions.</p> <p>2] Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks).</p> <p>3] For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each).</p>			
Unit	Topics		Contact Hours

I	Introduction and Contemporary issues - Contemporary Issues of Indian economy: Overpopulation, Poverty, Unemployment, Inequality - Urbanization and Problem of civic amenities, - Backwardness and Rural-urban migration	12
II	Regional issues related to Indian economy and Haryana - Regional Issues in India's economic development: Regional imbalances and economic backwardness, causes & remedies - Haryana Economy: basic features- growth & sectoral distribution of State Domestic Product - Declining sex ratio, and its social and economic implications; Regional Disparities in Haryana - Globalization in Haryana economy ,Concept of effective cities and Poverty eradication in Haryana	11
III	Contemporary issues of HRD and labour productivity - Human Resource Development - Role of education and health issues, problems & policies - Labour Productivity; Issues, policies and Programmes - Gender and Development	11
IV	Economic reforms in India, measures, trends etc. - Economic Reforms in India: Liberalisation, Privatisation and Globalisation; Need & rationale - Competitiveness of Indian trade & Industry, - Special Economic Zones, - NITI aayog and current plan	11
V*	Practicum syllabus: 1. Main problems and policies of contemporary Indian economy 2. Count: Poverty and Unemployment ratio 3. To examine: civic amenities, Backwardness and Rural-urban migration 4. Economic development with Regional imbalances 5. social and economic implications; Regional Disparities in Haryana 6. Haryana Rural development: Key issues – credit and marketing – role of cooperatives; agricultural diversification; alternative farming – organic farming 7. Role of human capital in economic development; Growth of Education Sector in India 8. Employment: Growth and changes in workforce participation rate in formal and informal sectors; problems and policies 9. Features and appraisals of LPG policy, Concepts of demonetization and GST 10. Indian economic system and Five Year Plans, NITI AAYOG	30
Suggested Evaluation Methods		

Internal Assessment:		End Term Examination: Theory 50 Viva Voce* 20
➤ Theory		
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	5	
Mid Term Exam:	10	
➤ Practicum		
Class Participation		
Seminar/Demonstration/Viva Voce/Lab Records etc.	10	
Mid Term Exam:		

Part-C Learning Resources
Recommended Books/E-Resources/LMS:
<ul style="list-style-type: none"> • M.P. Todaro & Smith, Economic Development in the Third World. Addison-Wesley. 6th ed. • Uma kapila, Indian Economy: Issues in Development and Planning & Sectoral Aspects (2005). Academic Foundation. • Arvind Virmani. Accelerating Growth and Poverty reduction: A Policy Framework for India's Development (2004) • Government of India, Economic Survey (latest) • Government of India, Five Year Plan, (latest) • Government of India. Finance Commission Report (Latest Ed.) • Statistical Abstract Haryana and Economic Survey of Haryana published by Department of • Economic and Statistical Analysis Haryana (latest) • Datt, Rudar & K.P. Sundaram, "Indian Economy" S. Chand & Company (Latest Ed.). • Mishra S. K. & V. K. Puri, "Indian Economy", Himalya Publishing House (Latest Ed.). • VK Global Publication PVT LTD, Indian Economy(2024)

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	M.Sc. Economics (Honors) 5-Year Integrated Programme		
Semester	V		
Name of the Course	Haryana Economy		
Course Code	B23-ECO-505		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-3		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	NA		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand, explain and analyze growth and development of Haryana. 2. Describe and critically analyze growth in Haryana agriculture sector and evaluate various financing and insurance schemes. 3. Analyze industrial growth and know about the role of HSIIDC, HAFED, HKVIB. 4. Explain and analyze the evolution of budget and State Finance Commission. 		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Max. Marks: 100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
<ol style="list-style-type: none"> 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each). 			

Unit	Topics	Contact Hours
I	<p>Haryana Economy and Prospects: Nature, Characteristics and Problems; Concept of Economic Development; Financial Inclusions.</p> <p>State of the Haryana economy since its inception: Income; Demogarchy, Health & Nutrition .</p>	15
II	<p>Haryana agriculture: Nature, cropping pattern, role of agriculture in Haryana economy, Green Revolution, Measures for development in agriculture, crop insurance.</p> <p>Agriculture credit: agriculture finance, types of agriculture finance; credit needs of farmers; sources of credit (institutional and non-institutional sources); rural indebtedness: causes, consequences and debt relief measures.</p>	15
III	<p>Micro, small & medium enterprises (MSME) in Haryana: Meaning, Role, Performance and Challenges; SEZ, Institutions Functions, role and performance of HSIIDC, HAFED, HKVIB.</p>	15
IV	<p>Haryana budget: Objectives and Policies, Expenditure, Sources of Revenues and its Utilization; Latest State Finance Commission: Key issues and recommendations.</p>	15
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <p>➤ Theory</p> <p>Class Participation 5</p> <p>Seminar/Presentation/Assignment/Quiz/Class Test etc. 10</p> <p>Mid Term Exam: 15</p>		<p>End Term Examination: 70 Theory</p>
Part-C Learning Resources		
<p>Recommended Books/E-Resources/LMS:</p> <ul style="list-style-type: none"> • <i>Department of Economic and Statistical Analysis, Government of Haryana Panchkula. Economic Survey of Haryana (various issues).</i> 		

- *Planning Commission (2009). Haryana Development Report. Government of India, New Delhi.*
- *Haryana for Industry, Designed and produced by the Publicity Division, I.A.G. Department of Industries, Govt. of Haryana, Chandigarh.*
- *HSIIDC: Haryana's Industrial Catalyst, Designed and produced by the Publicity Division, I.A.G. Department of Industries, Haryana, Chandigarh.*
- Laxmi Narayan & Kaswan, Kavita Bhambu (2019). *Haryana Economy: Patterns, Potentials and Prospects.* White Falcon Publishing.
- *Singh, M. & Kaur, H. (2004). Economic Development of Haryana. Deep & Deep Publications.*
- <https://sfc.haryana.gov.in/>

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	M.SC- Economics (Honors) 5-Year Integrated Programme		
Semester	VI		
Name of the Course	DEVELOPMENT ECONOMICS-II		
Course Code	B23-MSE-601		
Course Type: (CC/MCC/MDC/CCM/DSEC/VOC/DSE/PC/AEC/ VAC)	MCC-11		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To understand the steady state growth and the basics of Capital accumulation Model of Joan Robinson, Kaldor Growth Model along with Neo-Classical growth models. 2. Exhibit the ability to learn different macro economic theories of distribution. 3. Understand about the concept of economic planning, Planning Techniques & Criterion of Investment Decision so that they are able to apply the understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze the problems of project evaluation. 4. To understand the meaning of poverty, poverty line, causes & Alleviation Programmes of poverty in India along with the basics of concept and measures of Inequality in India. <p>5*. Understand the Kaldor Growth Model, Solow Model, Labour Intensive, Capital-Intensive and Intermediate Techniques along with Measures of Inequality in India.</p>		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
Part-B Contents of the Course			

Instructions for Paper Setters

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks).
3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each).

Unit	Topics	Contact Hours
I	Growth Models Steady State Economic Growth and Equilibrium Path: Harrod-Domar Growth Model, Joan Robinson's Golden Rule of Accumulation, Kaldor Growth Model, Neo-Classical Models of Growth: Solow and Meade.	11
II	Economic Growth and Distribution Ricardian Theory of Distribution, Marxian Theory of Distribution, Kaldor and Kalecki Theory of Distribution.	11
III	Planning Techniques & Criterion of Investment Decision Labour Intensive, Capital-Intensive and Intermediate Techniques, Choice of Technique of Production, Investment Criteria in Economic Development, Cost-Benefit Analysis.	12
IV	Planning in India Poverty in India- Meaning of Poverty, Poverty Line, Causes of Poverty in India and Recent Poverty Alleviation Programmes in India, Concept and Measures of Inequality, Inequality in Landholdings, Gender Inequality & Regional Inequality in India.	11
V*	Practicum Syllabus: 1. Kaldor Growth Model 2. Solow Model 3. Labour Intensive, Capital-Intensive and Intermediate Techniques 4. Measures of Inequality	30
Suggested Evaluation Methods		
Internal Assessment: ➤ Theory Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 5 Mid Term Exam: 10 ➤ Practicum (15 Hours) Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. 10 Mid Term Exam:		End Term Examination: Theory - 50 viva voce* - 20
Part-C Learning Resources		

Recommended Books/E-Resources/LMS:

- Behrman, S. and T.N. Srinivasan (1995), Handbook of Development Economics, Vol. 3, Elsevier, Amsterdam.
- Bhagwati, J. and P. Desai (1970), India: Planning for Industrialization, Oxford University Press, London.
- Brown, M. (1966), On the Theory and Measurement of Technical Change, Cambridge University Press, Cambridge, Mass.
- Chakravarti, S. (1982), Alternative Approaches to the Theory of Economic Growth, Oxford University Press, New Delhi.
- Chakravarti, S. (1987), Development Planning: The Indian Experience, Clarendon Press, Oxford.
- Chenery, H. and T. N. Srinivasan (Eds.) (1989), Handbook of Development Economics, Vols. 1 & 2, Elsevier, Amsterdam.
- Dasgupta, P. (1993), An Enquiry into Well-being and Destitution, Clarendon Press, Oxford.
- Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London.
- Gillis, M., D. H. Perkins, M. Romer and D. R. Snodgrass (1992), Economics of Development, (3rd Edition), W.W. Norton, New York.
- Grossman, G. and E. Helpman (1991), Innovation and Growth in the Global Economy, MIT Press, Cambridge, Mass.
- Higgins, B. (1959), Economic Development, W. W. Norton, New York.
- Hirschman, A.O. (1958), The Strategy of Economic Development, Yale University Press, New York.
- Kindleberger, C.P. (1977), Economic Development, (3rd Edition), McGraw Hill, New York.
- Lewis, W.A. (1955), The Theory of Economic Growth, George Allen and Unwin, London.
- Meier, G. M. and J. E. Rauch (2005), Leading Issues in Economic Development, (8th Edition), Oxford University Press, New Delhi.
- Nayyar, D. (Ed.) (1994), Industrial Growth and Stagnation: The Debate in India, Oxford University Press, New Delhi.
- Sen, A. (1983), Poverty and Famines, Oxford University Press, Oxford.
- Sen, A.K. (Ed.) (1990), Growth Economics, Penguin, Harmondsworth.
- Sen, A. (1992), Inequality Reexamined, Oxford University Press, Oxford.
- Todaro, M.P. and S. C. Smith (2003), (8th Edition), Economic Development, Pearson Education, Delhi.
- Thirlwall, A. P. (1999), (6th Edition), Growth and Development, Macmillan, U.K.
- VK Global Publication PVT LTD, Development Economics (2024)

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	M.Sc. Economics (Honors) 5-Year Integrated Programme		
Semester	VI		
Name of the Course	International Finance		
Course Code	B23-MSE-602		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	MCC-12		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the basic concepts and measure to correct problem of Balance of Payments. 2. Have Knowledge of the different types of Exchange rate policies and market operations. 3. Have understanding the knowledge of International Economic Integrations and External and internal Balance. 4. Understand the concepts of International Financial System and Institutions. <p>5*. Able to computation and derivations of balance of payment and measure to correct the disequilibrium, different exchange rates policies, market operations, custom union and equilibrium models.</p>		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 4. Nine Questions will be set in all and students will be required to attempt 5 questions. 5. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks). 6. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each). 			
Unit	Topics		Contact Hours
I	Balance of Payments Concept, definition and component of Balance of Payment;		11

	<p>Disequilibrium in Balance of Payment; Autonomous and Accommodating items</p> <p>BOP Adjustments Approaches Absorption, Elasticity and monetary approach; Through Expenditure policies: Reducing and Switching policies</p>	
II	<p>Exchange Rates Fixed and Flexible Exchange rates policies; Policies of managed Flexibility; Exchange Controls- objectives and methods; Current and Capital account convertibility</p> <p>Foreign Exchange Markets Functions of the Foreign Exchange Markets; Spot and Forward Exchange rates; Arbitrage, Hedging, Speculation and Swap operations.</p>	12
III	<p>Economic Integrations Free trade and Protections; Forms of Economic Integrations; Custom Union: Partial and General Equilibrium; European Union.</p> <p>Internal and External Balance Swan model; Mundell- Flamming model and IS-LM-BP equilibrium with Fixed and Flexible Exchange Rates Models.</p>	11
IV	<p>International monetary system Gold standard; The Interwar period; The Bretton Woods system; Special Drawing Rights.</p> <p>International Institutions IMF, World Bank and WTO- Objective, Organization and Functions.</p>	11
V*	<p>Practicum Syllabus:</p> <ul style="list-style-type: none"> • Construct the complete structure of Balance of Payment • Derivation of Absorption approach • Derivation and Diagrams of Elasticity approach • Draw the Diagrams of Fixed, Flexible and Managed Floating Exchange Rates • Computations of International Market Operations • Derivation and Diagrams of Trade Diversion Effects • Derivation and Diagrams of Trade Creations Effects • Derivation and Diagrams of Swan Model Equilibrium • Derivation and Diagrams of Mundell- Flamming Equilibrium • Derivation and Diagrams of IS-LM-BP Equilibrium 	30
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <p>➤ Theory</p> <p>Class Participation 5</p> <p>Seminar/Presentation/Assignment/Quiz/Class Test etc. 5</p> <p>Mid Term Exam: 10</p>		<p>End Term Examination:</p> <p>Theory - 50</p> <p>viva voce* - 20</p>

<p>➤ Practicum (15 Hours) Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. 10 Mid Term Exam:</p>	
<p>Part-C Learning Resources</p>	
<p>Recommended Books/E-Resources/LMS:</p> <ul style="list-style-type: none"> ● <i>Dominick Salvatore, International Economics: Trade and Finance, John Wiley International Student Edition, 10th edition, 2011.</i> ● <i>Francis Cherunilam, International Economics, McGraw Hill Education; 5th edition (1 July 2017)</i> ● <i>Francis Cherunilam International Trade and Export Management, Himalaya Publishing House (1 January 2019)</i> ● <i>K.C. Rana & K.N. Verma, International Economics Vishal Publishing Co.; 5th (Revised) edition</i> ● Chacholiades, M.(1990), International Trade: Theory and Policy, McGraw Hill, Kogakusha, Japan. ● Krugman, P.R. and M. Obstfeld (1994), International Economics: Theory and Policy, Glenview, Foresman. ● Sodirston, Bo.(1991), International Economics, The Macmillan Press Ltd. London. ● VK Global Publication PVT LTD, International Economics(2024) 	

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	M.Sc. Economics (Honors) 5-Year Integrated Programme		
Semester	VI		
Name of the Course	ECONOMICS OF SOCIAL CHOICE		
Course Code	B23-MSE- 603		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/ VAC)	DSE-4		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<ol style="list-style-type: none"> 1. After reading this course, students will be able to specify the domain of social choice theory. 2. The students will understand the concept of Arrows Impossibility Theorem. 3. Students will be able to describe the implications of ‘median voter theorem’. 4. The students will understand the various measures of Inequality and Poverty 		
	5* By integrating these topics and activities, students will not only understand the theoretical foundations of economics of social choice but also gain practical skills applicable in real-world scenarios.		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
Part-B Contents of the Course			
Instructions for Paper Setters			
4. Nine Questions will be set in all and students will be required to attempt 5 questions.			
5. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks).			
6. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each).			
Unit	Topics		Contact Hours

I	Social Choice Mechanism, Pareto Criterion, Social Welfare Functions, Arrows Impossibility Theorem.	11
II	The Problem of Preference Revelation, Individual Preferences for Public Goods, The Problem of Aggregating Preferences, Majority Voting and The Voting Paradox.	12
III	Single-Peaked Preferences and The Existence of a Majority Voting Equilibrium, Median Voter Theorems, The Inefficiency of the Majority Voting Equilibrium, The Two-Party System and The Median Voter.	11
IV	Rent-Seeking: Introduction, Social Cost of Monopoly Equilibrium. Measures: Inequality and Poverty	11
V*	Practicum syllabus:	
	<ul style="list-style-type: none"> • Arrows Impossibility Theorem-Proof • Individual Preferences for Public Goods-Applications • Median Voter Theorems-Discussion • Social Cost of Monopoly Equilibrium -Discussion. 	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 5 Mid Term Exam: 10 ➤ Practicum (15 Hours) <ul style="list-style-type: none"> Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. 10 Mid Term Exam: 		End Term Examination: Theory 50 Viva Voce *20
Part-C Learning Resources		
Recommended Books/E-Resources/LMS:		
<ul style="list-style-type: none"> • Allan Feldman and Roberto Serrano (2016). Welfare Economics and Social Choice Theory, Springer Science. • Amartya Sen (2017). Collective Choice and Social Welfare: An Expanded Version, Harvard University Press. • Buchanan J M & Tullock G (1962). The Calculus of Consent (Vol. 3), Ann Arbor: University of Michigan Press. • Cullis J, Jones P & Jones P R (2009). Public Finance and Public Choice: Analytical Perspectives. Oxford University Press. • Hindriks J & Myles G D (2006). Intermediate Public Economics (Vol. 2), Cambridge: MIT Press. • Stiglitz J E (1999). Economics of the Public Sector (3rd edition), WW Norton & Company. • WulfGaertner (2009). A Primer in Social Choice Theory: Revised Edition, Oxford University Press. 		

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	M.Sc. Economics (Honors) 5-Year Integrated Programme		
Semester	VI		
Name of the Course	ECONOMICS OF INSURANCE		
Course Code	B23-ECO- 604		
Course Type: (CC/MCC/MDC/CCM/ DSEC/VOC/DSE/PC/AEC/VAC)	DSE-4		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	After the successful completion of the course, the learners will be able to: <ol style="list-style-type: none"> 1. Gain knowledge on economics of insurance 2. Insurance companies and types of insurance, Principles of insurance 3. Understand the Insurance Planning 4. Understand the essential and fundamentals of Life and Non-Life Insurance 		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Max. Marks:100 Internal Assessment Marks: 30 End Term Exam Marks: 70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ul style="list-style-type: none"> • Nine Questions will be set in all and students will be required to attempt 5 questions. • Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks). • For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each). 			
Unit	Topics		Contact Hours
I	Introduction to Insurance Definition of Insurance, Characteristics of Insurance, Distinction		15

	between Assurance and Insurance ,Purpose and need of insurance, Functions of Insurance, Classification of Insurance, Limitations of Insurance.	
II	Risk and Risk management Concept of Risk ,Risk Vs Uncertainty – Loss and chances of loss, Perils, Hazards, Types of Risk, Classification of Pure risk, Elements of insurable risk, Losses and methods of handling pure risk, Risk management process - Risk analysis, Risk control and risk financing, Risk financing ,Risk financing techniques, Risk transfer.	15
III	Life insurance Conceptual Framework, Life Contracts and Rating, Life Policies and Management	15
IV	Non-Life Insurance Introduction to General Insurance: Fire Insurance, Motor Insurance Weather insurance in Agriculture, Rural and Social Insurance, Project and Engineering Insurance and Miscellaneous Insurance	15
Suggested Evaluation Methods		
Internal Assessment:		End Term Examination: 70 Theory
➤ Theory		
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam:	15	

Part-C Learning Resources
Recommended Books/E-Resources/LMS:
<ul style="list-style-type: none"> • Dr.M.J.Mathew – Insurance Principles and Practice RBSA publishers Second revised edition (2005) • Dr.P.K.Gupta - Insurance and risk management Himalaya Publishing house Second edition • Inderjit Singh, Rakesh Katyal and Sanjay Arora - Insurance Principles and practice –, Kalyani Publishers, 4th Rev. edition (2008) • IRDA Annual Report.D.C.Srivastava et al., Indian Insurance Industry –Transition and Prospects, New Century Publications • L. M. Bhole and J Mahakud. - Financial Institution and Markets: Structure, Growth and Innovations ,. New Delhi, Tata McGraw Hill Education Private Limited. 5th edition (2010) • M.N.MishraandDr.S.B.Mishra – Insurance Principles and Practice S.Chand& Company ltd 14th edition (2007)

- P.Periasamy, - Principles and practice of Insurance,Himalaya Publishing House (2003)
- Zweifel, Peter andEisen, Roland - Insurance Economics. Springer (2012).

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	M.Sc. Economics (Honors) 5-Year Integrated Programme		
Semester	VI		
Name of the Course	CONTEMPRARY ISSUES IN INDIAN ECONOMY-II		
Course Code	B23-MSE-605		
Course Type: (CC/MCC/MDC/ CCM/ DSEC/VOC/DSE/PC/AEC/ VAC	DSE-5		
Level of the course (Annexure-I)	300-399		
Pre-requisite for the course (if any)	10+2		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Have knowledge about the distinguishing features of Indian economy, and historical impact of British rule, and the distinguishing features of National Income of India , its trends and Sectoral Development 2. Has the objective of giving exposure about planning and strategy of plans, NITI Aayog and Demographic Scenario 3. Has the objective of giving exposure about Agriculture, trends in productivity, latest agricultural policy and Industrial policy measures, MSME, Natural Resources and sustainable Development 4. Aims at developing understanding in students' mind about nature of foreign trade: direction and composition, have understanding about economic reforms, economic crises of India trade, Special economic zones, Macroeconomic Stabilization, Structural Reforms 5*. Identify problem areas in the contemporary issues of Indian economy problems and solutions, using the analytical tools developed in the course. 		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
Part-B Contents of the Course			
Instructions for Paper Setters			
Unit	Topics		Contact Hours
I	Nature, British Rule and Sectoral development of Contemporary		11

	<p>economy</p> <ul style="list-style-type: none"> - Nature and Characteristics of Indian Economy: India as Underdeveloped and Developed economy. Colonialism and Underdevelopment of the Indian Economy -British Rule and the Exploitation of India, The British Rule and India's Underdevelopment, State Policies and Economic Underdevelopment -National Income of India: Trends, Estimation and Distribution -Structural change in Indian Economy-Changes in Occupational pattern and Sectoral distribution of Income 	
II	<p>Economic Planning and strategy, Demography Pattern</p> <ul style="list-style-type: none"> -Economic Planning: Rationale, Features and Objectives, -Strategy of Economic Planning -Five year plans scenario: Objectives and Targets of perspective plan; NITI Aayog. -Demographic features of Indian Economy, Urbanization, Recent Population Policy. 	12
III	<p>Agriculture, Industry and Sustainable Development</p> <ul style="list-style-type: none"> -Agriculture & Industry in India: Nature & Importance; Trends in Agricultural Production & productivity - Green Revolution, Latest Agricultural Policy in India - Industrialization in India; Latest Industrial Policy, Status of MSME - Natural Resources and sustainable Development 	11
IV	<p>Economic reforms and its impact on contemporary economy</p> <ul style="list-style-type: none"> -External sector: Balance of Payment since 1991; Composition & Direction of India's foreign Trade - Trade: Export promotion & Import Substitution, its impacts on contemporary economy, (SEZ) -Economic Reforms: The Origin of Economic Crisis in the Early 1990 and after that in pandemic 2019 -Macroeconomic Stabilization, Structural Reforms in India. 	11
V*	<p>Practicum syllabus:</p> <ol style="list-style-type: none"> 1. India as Underdeveloped and Developed economy 2. National Income : Trends, Estimation and Distribution 3 Changes in Occupational pattern and Sectoral distribution 4. Economic Planning: Features and Objectives, NITI AAYOG, 	30

	5. Demographic features with Urbanization development 6. Green Revolution, Latest Agricultural Policy in India 7. Industrialization in India with Sustainable Development, MSME 8. Composition & Direction of India's foreign Trade 9. Economic Crisis with pandemic 2019 10. Structural Reforms in India	
--	--	--

Suggested Evaluation Methods

Internal Assessment: ➤ Theory Class Participation 5 Seminar/Presentation/Assignment/Quiz/Class Test etc. 5 Mid Term Exam: 10 ➤ Practicum Class Participation Seminar/Demonstration/Viva Voce/Lab Records etc. Mid Term Exam: 10	End Term Examination: Theory 50 Viva Voce* 20
--	--

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- M.P. Todaro & Smith, Economic Development in the Third World. Addison-Wesley. 6th ed.
 - Uma Kapila, Indian Economy: Issues in Development and Planning & Sectoral Aspects (2005). Academic Foundation.
 - Arvind Virmani. Accelerating Growth and Poverty reduction: A Policy Framework for India's Development (2004)
 - Government of India, Economic Survey (latest)
 - Government of India, Five Year Plan, (latest)
 - Government of India. Finance Commission Report (Latest Ed.)
 - Jalan, B. (1996), India's Economic Policy- Preparing for the Twenty First Century, Viking, New Delhi.
 - Goel, MM (2011): Economics of Human Resource Development in India, VK Global Publications, New Delhi
 - Datt, Rudar & K.P. Sundaram, "Indian Economy" S. Chand & Company (Latest Ed.).
 - Mishra S. K. & V. K. Puri, "Indian Economy", Himalya Publishing House (Latest Ed.).
- Brahmananda, P.R. and V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy: Inter-State Perspectives, Bookwell, Delhi.

* Applicable for courses having practical component.

Session 2024-2025			
Part-A Introduction			
Subject	M.Sc. Economics (Honors) 5-Year Integrated Programme		
Semester	VI		
Name of the Course	Welfare Economics		
Course Code	B23-ECO-606		
Course Type: (CC/MCC/MDC/ DSEC/VOC/DSE/PC/AEC/ VAC)	DSE-5 CCM/		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO)	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Understand the various concepts of Welfare Economics. 2. Identify the causes inhibiting attainment of maximization of social welfare 3. Evaluate the welfare effects of policy changes in a coherent way. 4. Understand the role of the state in efficient resource allocation. 		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Max. Marks: 100 Internal Assessment Marks:30 End Term Exam Marks:70	Time: 3 Hrs		
Part-B Contents of the Course			
Instructions for Paper Setters			
<ol style="list-style-type: none"> 1. Nine Questions will be set in all and students will be required to attempt 5 questions. 2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 2 marks spread over the entire syllabus (2*5=10 marks). 3. For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (10 marks each). 			
Unit	Topics		Contact Hours
I	Basic Concepts of Welfare Economics Meaning and Scope of Welfare Economics; Benthamite Approach to Aggregate Welfare; Adam Smith's views on Economic Welfare; Assumption of Uniform Income–		15

	Utility Function of Individuals; Questions of Income Distribution	
II	Welfare and Consumer Surplus Marshallian Welfare Economics; Pigouvian Welfare Economics, Consumer's Surplus- Measurement and Criticism. Hicksian Consumer Surplus- Concept of Consumer's Surplus, Principle of Compensating Variation; Consumer's Surplus and Tax-Bounty Analysis.	15
III	Pareto Optimality for Welfare Maximisation Pareto optimality – Optimum exchange conditions, The production optimum, The consumption optimum, Concept of contract curve; Top level optimum; Kaldor and Hicks Compensation Principle; The Scitovsky double criterion.	15
IV	Optimisation Criteria Bergson's social welfare function; Marginal cost pricing; Cost-benefit analysis; The Role of The State to maximize Social Welfare.	15
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination:70 Theory
➤ Theory (All these activities will be covered under Tutorials. Approximate contact Hours =12)		
Class Participation	5	
Seminar/Presentation/Assignment/Quiz/Class Test etc.	10	
Mid Term Exam	15	

Part-C Learning Resources

Recommended Books/E-Resources/LMS:

- Baumol, W.J. (ed.) (2001), Welfare Economics, Edward Elgar Publishing Ltd., U.K.
- Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford.
- Pigou, A.C. (1962), The Economics of Welfare (4Edition), Macmillan.
- Hicks, J.R. (1956), A Revision of Demand Theory, Clarendon Press, Oxford.
- Little, L.M.D. (1949), The Foundations of Welfare Economics, Oxford Economic Papers,
- Ahuja, H.L. (2016), Advanced Economic Theory, S.Chand Publications, Delhi

* Applicable for courses having practical component.

Kurukshetra University, Kurukshetra

(Established by the State Legislature Act-XII of 1956) (“A++”
Grade, NAAC Accredited)



Syllabus of the Programme for Post Graduate Programme

**M. Sc. Economics (Honors) 5 Year Integrated (4th and
5th Year)**

as per NEP 2020

Curriculum and Credit Framework for Postgraduate Programme

With Multiple Entry-Exit, Internship and CBCS-LOCF

With effect from the session 2025-26 (in phased manner)

**DEPARTMENT OF ECONOMICS FACULTY OF
SOCIAL SCIENCE**

**KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119
HARYANA, INDIA**

Session: 2025-26			
PartA– Introduction			
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme		
Semester	SEVEN		
Name of the Course	Advanced Micro Economic Analysis-I		
Course Code	B25-MSE-701		
CourseType	CC-H1		
Level of the course	400-499		
Pre-requisite for the course (ifany)	N.A.		
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1. Know the scope and breadth of Micro Economics along with understanding the core principles of demand and supply so that they are able to apply the understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze economic problems.</p> <p>CLO 2. Understand the core principles of production and costs so that they are able to apply the understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze economic problems.</p> <p>CLO 3. Analyze given situations in a variety of markets on a microeconomic level. Understand the internal structure and assumptions of the different analytical frameworks of market conditions, their explanatory power and limitations.</p> <p>CLO 4. Learn and apply relevant optimization techniques for analysis of microeconomic behaviour of consumer, producer and firm. Simultaneously will be able to understand the implications and ethical</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Max. Marks	100	-	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question.All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Theory of Demand and Consumer Behaviour Indifference curve approach -Price, Income and Substitution effects		15

	(Hicks and Slutsky); and its applications (The leisure-income trade-off Evaluation of alternative government policies, IC and theory of exchange); Revealed Preference Theory; The Consumer's Surplus (Hicks) and its applications; Elasticity of demand (empirical estimation and Elasticity of Supply; Revision of Demand theory by Hicks; Linear Expenditure System	
II	Theory of Production and Costs Production function (properties of Cobb Douglas and CES); Laws of production(variable proportions and returns to scale with the help of isoquants); Technical Progress and production function; Equilibrium of the single product firm; Theories of costs and various cost curves(Short run as well as long run)– traditional and modern. Analysis of economies of scale	15
III	Markets and Equilibrium Perfect competition – Short and long term equilibrium of the firm and industry; Dynamic changes and industry equilibrium; Monopoly – short run and long run equilibrium; Price discrimination; Monopolistic competition - Chamberlin's approach to equilibrium of the firm	15
Total Contact Hour		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> ● Koutsoyiannis, A. (1979), <i>Modern Microeconomics (2nd Edition)</i>, Macmillan Press, London. ● Varian, H. (2003), <i>Intermediate Microeconomics</i>, East-West Press. ● Pindyck R. & Rubinfeld, D. (2018), <i>Microeconomics (9th Edition)</i>, Pearson. ● Salvatore, D. (2009), <i>Microeconomics-Theory and Applications</i>, Oxford University Press. ● Baumol, W.J. (1982), <i>Economic Theory and Operations Analysis</i>, Prentice Hall of India, New Delhi. ● Green, H.A.G. (1971), <i>Consumer Theory</i>, Penguin, Harmondsworth. 		

- Henderson & Quandt (1980), *Microeconomic Theory: A Mathematical Approach*, McGraw Hill, New Delhi.
- Da Costa, G.C. (1980), *Production, Prices and Distribution*, Tata McGraw Hill, New Delhi.
- Healthfields and Wibe (1987), *An Introduction to Cost and Production Functions*, Macmillan, London.
- Hirshleifer, J. & Glazer, A. (1997), *Price Theory and Applications*, Prentice Hall of India, New Delhi.
- Archibald, G.C. (Ed.) (1971), *Theory of the Firm*, Penguin, Harmondsworth.
- https://www.edx.org/learn/economics?hs_analytics_source=referrals&utm_source=mooc.org&utm_medium=referral&utm_campaign=mooc.org-topics

Session: 2025-26			
PartA– Introduction			
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme		
Semester	SEVEN		
Name of the Course	Advanced Macro Economic Analysis-I		
Course Code	B25-MSE-702		
CourseType	CC-H2		
Level of the course	400-499		
Pre-requisite for the course (ifany)	N.A.		
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand classical & Keynesian theories of output and employment analyse their differences, and assess their role in economic fluctuations.</p> <p>CLO 2: Explaining the behavior of macroeconomic variables by identifying and understanding the extended model.</p> <p>CLO 3: Analyse output, price, and employment under flexible prices in IS-LM. Explore effects of wages, interest rates, and policy on equilibrium.</p> <p>CLO 4: To understand the theories of consumption and investment and their relevance</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Max. Marks	100	-	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question.All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Theory of Output and Employment Determination		15

	Classical Approach – Output and Employment in Classical Theory; The Quantity Theory of Money and the Price Level; Classical Model without saving and investment; Classical Model with saving and investment; Keynesian Approach - Two Sector Model, Three Sector Model and Four Sector Model. SELF STUDY CONTENTS (not relevant for exams): Nature and scope of macro Economics, importance of macroeconomics, circular flow of income in two three and four sector of economy.	
II	Theory of Output and Employment Determination The Extended Model under Fixed Price Level – The Goods Market and The Money Market; IS-LM framework and Equilibrium in Goods Market and Money Market; Effect of Changes in Government spending, Taxation and Aggregate Demand on General Equilibrium. SELF STUDY CONTENTS (not relevant for exams): Nature and Scope of Good Market and Money Market, Money supply Process, the supply of and demand for money and rate of interest.	15
III	Theory of Output and Employment Determination The Extended Model under Variable Price Level – Derivation of Aggregate Demand Curve and Determination of equilibrium price and output levels Wage-price flexibility and the Full Employment equilibrium; Interest rate effect and Pigou Effect; Monetary – Fiscal policy analysis in IS-LM Model. SELF STUDY CONTENTS (not relevant for exams) Rationale of Monetary policy, Fiscal policy. Inflation, interest rate and its effect on Economy	15
IV	Theories of consumption and Investment The Absolute Income Hypothesis; The Relative Income Hypothesis; The Permanent Income Theory of Consumption; The Life cycle theory of consumption. The Marginal Efficiency of Capital Approach; The accelerator theory; Profits Theory; Jorgenson’s Neoclassical Model; Adjustment costs and q theory. SELF STUDY CONTENTS (not relevant for exams): consumer behavior: Macro Analysis, Cyclical and Secular Consumption Behavior. Basic working of Multiplier	15
Total Contact Hour		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- <https://archive.nptel.ac.in/noc/courses/noc15/SEM1/noc15-hs08/> (IS-LMMODEL)
- <https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=NEp/xikgBgNtfA+sgFQAcA==> (investment and consumption theories)
- <https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=NEp/xikgBgNtfA+sgFQAcA==>
- <https://nptel.ac.in/courses/130104114> (consumption theories)
- https://ocw.mit.edu/courses/14-02-principles-of-macroeconomics-spring-2014/resources/mit14_02s14_is-lm_model/
- Langdana, F.K. (2013), Macroeconomic Policy: Demystifying Monetary and Fiscal Policy, Springer.
- Mankiw, Gregory N. (2003), Macroeconomics, Worth Publishers.
- R Dornbusch, S Fischer and R Startz, Macroeconomics, McGraw-Hill.
- Romer, David (2012), Advanced Macroeconomics, McGraw Hill Education.
- Shapiro, E (2006), Macroeconomic Analysis, Galgotia Publication, New Delhi.

Session: 2025-26			
Part A- Introduction			
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme		
Semester	SEVEN		
Name of the Course	Mathematical Economics-I		
Course Code	B25-MSE-703		
Course Type	CC-H3		
Level of the course	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Perform Mathematically the consumer equilibrium and Surplus. CLO 2: Mathematical derivation of elasticity and Price Effect. CLO 3: Mathematical derivation of different Production functions. CLO 4: Understand the formulation of producer cost and the mathematical derivation of different cost functions.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Max. Marks	100	-	100
Examination Time	3 hours		
Part B-Content of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours

I	Mathematical formulation of cardinal and ordinal utility, Marginal rate of Substitution, Consumer Equilibrium, Consumer's Surplus, Producer's surplus Convexity of Indifference curves.	15
II	Elasticity, and mathematical relationship between income, cross and price Elasticity; Price, Income and Substitution effects, Derivation of Slutsky's Equation; Derivation of demand function from utility function,	15
III	Production function: Homogeneous and Non-homogeneous, Returns to scale, Return to a factor, Properties of Cobb-Douglas and CES Production function, Euler's theorem, and its applications	15
IV	Isoquants analysis, Elasticity of Substitution, Cost functions, and Inter relationships, mathematical formulation of least cost combination; Derivation of cost function from production function, Production analysis of multi-product firm	15
Total Contact Hour		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Adams, R. A., & Essex, C. R. (2012). Calculus: A combined approach (9th ed.). Pearson Education Limited. • Aggarwal, D. R. (2018). Quantitative Methods. Vrinda Publications. • Allen, R. G. D. (2017). Difference equations with historical applications. Academic Press. • Allen, R.G.D. (1974). Mathematical Analysis for Economists. Macmillan Press, London. • Black, J. & Bradley, J.F. (1973). Essential Mathematics for Economists. John Wiley and Sons. • Boyce, W. E., & DiPrima, R. C. (2010). Elementary differential equations and boundary value 		

problems (9th ed.). Wiley.

- Chiang, A.C. (2005). *Fundamental Methods of Mathematical Economics*. McGraw Hill, New York.
- Dantzig, G. B. (2003). *Linear programming and its extensions*. Princeton University Press.
- Hillier, F. S., & Lieberman, G. J. (2019). *Introduction to mathematical programming* (5th ed.). McGraw-Hill Education.
- Joshi, R. C. (2008). *Basic Mathematics for Economists*. New Academic Publishing.
- Leontief, W. (1936). Quantitative input-output relations in the economic systems of the United States. *Review of Economics and Statistics*, 18, 105-125.
- Mehta, B. C. & Madnani, G. M. K. (2018). *Mathematics for Economists*. Sultan Chand & Sons, New Delhi.
- Meyer, C. D. (2000). *Matrix analysis and applied linear algebra*. SIAM
- Miller, R.E. & Blair, P.D. (1985). *Input-Output Analysis: Foundations and Extensions*. Prentice-Hall, Englewood Cliffs, New Jersey.
- Mouhammed, Adil H. (2004). *Quantitative Methods for Business and Economics*. PHI, New Delhi.
- Stewart, J. (2018). *Calculus: Early transcendentals* (8th ed.). Cengage Learning.
- Strang, G. (2019). *Introduction to linear algebra* (5th ed.). Wellesley-Cambridge Press.
- Taha, Hamdy A. (2001). *Operations Research: An Introduction*. Pearson Education.
- Tenenbaum, S., & Pollard, C. (2011). *Ordinary differential equations* (Dover Books on Mathematics). Dover Publications.
- Vohra, N.D. (2008). *Quantitative Techniques in Management*. Tata McGraw Hill.
- Yamane T. (1973). *Mathematics for Economists*. PHI

Session: 2025-26

PartA– Introduction

Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme
Semester	SEVEN
Name of the Course	Data Analytics for Economists I
Course Code	B25-MSE-704
CourseType	PC-H1
Level of the course	400-499
Pre-requisite for the course (ifany)	N.A.
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand, apply and solve the problems on revenue, profits, utility and linear programming. CLO 2: Understand and compute break even, LP, sensitivity analysis and assignment problems. CLO 3: Understand and solve linear and non linear optimization problems. CLO 4: Understand and solve path analysis and inventory problems

	CLO 5: Demonstrate the ability to solve the problems mentioned in CLO 1-4 through a software.		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	00	30	30
End Term Exam Marks	00	70	70
Max. Marks	00	100	100
Examination Time		3 hours	
Part B-Contents of the Course			
Unit	Topics		Contact Hours
I	<ol style="list-style-type: none"> 1. Computation of revenue and profits using excel . Given the quantity, demand function, cost function etc., compute profits or losses. Also generate a data series. 2. Creation of various charts using economic variables. Solving single and multiple system of equations through excel solver 3. Profit maximization and Utility maximization using solver 4. Linear programming problem using solver <p>SELF STUDY CONTENTS (not relevant for exams): Excel functions</p>		30
II	<ol style="list-style-type: none"> 1. Break even analysis in excel 2. Sensitivity analysis using solver 3. LPP applications in marketing and finance 4. Assignment and shortest path problem in solver <p>SELF STUDY CONTENTS (not relevant for exams): Excel functions</p>		30
III	<ol style="list-style-type: none"> 1. Generating Frequency Table, Bar Chart, Pie Chart, Histogram, Arithmetic Mean, Median, Standard Deviation and Range, Contingency Table, Chi-square, and Cramer's V, Pearson's r, and Spearman's rho, Scatter Diagrams 2. Construction of Frequency, Calculation of Central Tendencies and Measures of Dispersion 3. Estimation Correlation Coefficient, Zero Correlation Matrix , Part and Partial Correlation – 4. Estimation of Simple Regression. <p>SELF STUDY CONTENTS (not relevant for exams): Excel functions</p>		30
IV	<ol style="list-style-type: none"> 1. Project scheduling- PERT and CPM 2. Inventory models 3. Economic production lot size model 4. Multi-period Order-Quantity, Reorder Point Model with Probabilistic Demand <p>SELF STUDY CONTENTS (not relevant for exams): Excel functions</p>		30

		Total Contact Hour	120
Practicals		Contact Hours	
	<ul style="list-style-type: none"> • Students will prepare a practical file containing 2 practicals from each unit. • Practical may be done using the software chosen by the teacher. • The external examiner shall take the written exam followed by viva voce. <p>4. Syllabus contains all the contents mentioned in the four units.</p>	3	
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory		➤ Theory:	00
• Class Participation:			
• Seminar/presentation/assignment/quiz/class test etc.:			
• Mid-Term Exam:			
➤ Practicum	30	➤ Practicum	70
• Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical	
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10		
• Mid-Term Exam:	15		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> • Gary Koop: Analysis of economic data, John Wiley & Sons, 2005 • Thomas Cleff: Applied Statistics and Multivariate Data Analysis for Business and Economics: A Modern Approach Using SPSS, Stata, and Excel, Springer • Kurt Jechlitschka, Dieter Kirschke and Gerald Schwarz: Microeconomics using Excel: Integrating economic theory, policy analysis and spreadsheet modeling, Routledge • Humberto Barreto: Intermediate Microeconomics with Microsoft Excel, Cambridge University Press • Vikas Singla: Operations Research Using Excel, Taylor and Francis 			

Session: 2025-26	
Part A – Introduction	
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme
Semester	SEVEN
Name of the Course	Advanced Public Economics-I
Course Code	B25-MSE-705
Course Type	DSE-H1
Level of the course	400-499
Pre-requisite for the course (if any)	N.A.
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the concept of Externalities and Internalization and How the Government uses the instrument to correct it.</p> <p>CLO 2: Understand the concept of Public goods and private goods. Discuss in detail theoretical models of Public Goods.</p> <p>CLO 3: Understand the concept of Taxation and the incidence and equilibrium with Fiscal Rationality.</p>

	CLO 4: Learn the theory of optimal taxation. And analyze the factors affecting the optimal tax structure in an economy. CLO 5: Practical understandings about the Public Economics.		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
PartB-Contentsofthe Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	The problem of Externalities and their Internalization: Corrective Taxes, Corrective Subsidies, Negotiations, Permit Trading, the problem of common property resources; Asymmetric Information, Adverse Selection, Moral Hazard, Signaling and Screening.		12
II	Private Provision of Public Goods(Nash Equilibrium), General Equilibrium Approach of optimal provision of Public Goods(Samuelson Model), Voluntary Exchange approach (Bowen and Lindhal Equilibrium), Vickrey-Clarke-Groves mechanism, Optimal Provision of The Club Size and membership size; Optimal Provision of local Public Goods (Tiebout Model).		11
III	Incentive effects of taxation on labour supply; Supply of savings and risk taking; Taxation and Investment; Tax Incidence: partial and general equilibrium analysis; Principles of Tax Equity, Fiscal Rationality Criterion.		11
IV	Optimal Taxation System: Ramsey Rule, Corlette and Hague Rule, optimal Income tax; Excess burden of tax and its measurement; Tax Evasion and Black Economy.		11
Total Contact Hours			45
Practicals			Contact Hours
	<ul style="list-style-type: none"> • Students will prepare a practical file containing 2 practicals from each unit. • Practicals may be done using the software chosen by the teacher. 3. The external examiner shall take the written exam followed by 		30

viva voce.			
4. Syllabus contains all the contents mentioned in the four units.			
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	20	➤ Theory:	50
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	5		
• Mid-Term Exam:	10		
➤ Practicum	10	➤ Practicum	20
• Class Participation:	-	Lab record, Viva-Voce, write-up and execution of the practical	
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10		
• Mid-Term Exam:	-		
Part C-Learning Resources			
Recommended Books/e-resources/LMS:			
<ul style="list-style-type: none"> • Akerlof, G. (1970). The market for `Lemons': Quality uncertainty and the market mechanism. Quarterly Journal of Economics, 84(3), 488-500. • Bagchi, Amaresh (2005). Readings in public finance. Oxford University Press. • Bergstrom, T., Blume, L., & Varian, H. (1986). On the Private Provision of Public Goods. Journal of Public Economics, 29, 25-49. • Boadway, Robin (1984). Public sector economics. Cambridge, Winthrop Publications. • Bowen, H.R. (1943). The interpretation of voting in the allocation of economic resources. The Quarterly Journal of Economics, 58(1), 27-48. • Buchanan, J., & Tullock, G. (1962). The calculus of consent. Ann Arbor Paperbacks. • Clarke, E.H. (1971). Multipart Pricing of Public Goods. Public Choice, 11, Rand McNally. • Coase, R. (1960). The problem of social cost. Journal of Law and Economics, 3, 1-44. • Cullis, J., & Jones, P. (2009). Public finance and public choice: Analytical Perspectives. Oxford University Press. • Den Doel, Hans Van, & Velthoven, Ben Van (1993). Democracy and welfare economics. Cambridge University Press. • Downs, Anthony (1957). An economic theory of democracy. Harper & Row Publishers, New York. • Foley, D.K. (1970). Lindahl's solution and the core of an economy with public goods. Econometrica, 38(1), 66-72. • Hackelman, J.C. (2004). Readings in public choice economics. University of Michigan Press. • Hindricks, J., & Myles, G.D. (2013). Intermediate public economics. The MIT Press. • Ihuri, Toshihiro (2016). Principles of public finance. Springer. • Jha, Raghendra (1998). Modern public economics. Routledge. • Lipsey, R.G., & Lancaster, K. (1956). The general theory of second best. Review of Economic Studies, 24, 11-32. • McNutt, P.A. (2002). The economics of public choice. Edward Elgar. • Mirrlees J. (1971). An Exploration in the Theory of Optimum Income Taxation. Review of Economic Studies, 38(2), 175-208. • Niskanen, W. A. (1971). Bureaucracy and representative government. Aldine-Atherton, Chicago. • Rosen, H. S., & Gayer, T. (2014). Public finance. McGraw Hill. • Samuelson, P. A. (1954). The pure theory of public expenditure. Review of Economics and Statistics, 36(4), 387-389. • Samuelson, P. A. (1955). Diagrammatic exposition of a theory of public expenditure. Review of Economics and Statistics, 37(4), 350-356. 			

- Tiebout, C.M. (1956). A pure theory of local expenditures. Journal of Public Economics, 64, 416-424.

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme		
Semester	SEVEN		
Name of the Course	History of Economic Thought		
Course Code	B25-MSE-706		
Course Type	DSE-H1		
Level of the course	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: To understand the ancient and classical economic thought. CLO 2: To learn the socialist economic philosophy. CLO 3: To understand the economic philosophy of neo-classical and welfare economists. CLO 4: To learn the economic thought of Keynesian and post Keynesian thinkers. CLO 5: Practical understanding of the philosophy of economics thought.		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Overview of The Mercantilists School and the Physiocratic School; The Classical School: Adam Smith Theory of Moral Sentiments, Wealth of Nations, The Economic Laws of a Competitive Economy. Thomas Malthus: Historical and Intellectual Setting - Malthus's Population Theory. David Ricardo: The Currency Question, The Theory of Diminishing R and Rent, Theory of Exchange Value and Relative Prices, The Distributi Income. Jeremy Bentham, Jean-Baptiste Say, Nassau William Senior John Stuart Mill.		12
II	Overview of Socialism: Henri Comte De Saint-Simon, Charles Fourier, Simonde De Sismondi, Robert Owen, Marxian Socialism: Marx's Theory of History, Assessment of Marx's Economics.		11
III	Alfred Marshall: Utility and Demand, Supply, Equilibrium Price and Quantity ,Distribution of income, Increasing and Decreasing Cost Industries. The Neo Classical School - Departure from Pure Competition: Piero Sraffa, Chamberlin, Joan Robinson. Welfare Economics: Vilfredo Pareto, Arthur Cecil Pigou, Ludwig Von		11

	Mises, Oscar Lang, Kenneth Arrow, James M. Buchanan, Brief Discussion on A.K. Sen.	
IV	Overview of the Keynesian School, The Keynesian School: Developments since Keynes: Alvin H. Hansen, Paul A. Samuelson, The Post-Keynesians, The New-Keynesians. Overview of the Chicago School - Milton Friedman, Robert E Lucas, Jr., Gary S. Becker.	11
Total Contact Hour		45
Practicals		Contact Hours
	<ul style="list-style-type: none"> • Students will prepare a practical file containing 2 practicals from each unit. • Practicals may be done using the software chosen by the teacher. • The external examiner shall take the written exam followed by viva voce. <p>4. Syllabus contains all the contents mentioned in the four units.</p>	30
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	20	➤ Theory: 50
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	5	
• Mid-Term Exam:	10	
➤ Practicum	10	➤ Practicum 20
• Class Participation:	-	Lab record, Viva-Voce, write-up and execution of the practical
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
• Mid-Term Exam:	-	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Blaug, M. (1997). <i>Economic theory in retrospect</i>. Cambridge university press. • Eric Roll, (2002) <i>History of Economic Thought</i>, Rupa and Co, New Delhi. • Gide, C., & Rist, C. (2000). <i>Early Histories of Economic Thought, 1824-1914: History of economic doctrines (Vol. 8)</i>. Taylor & Francis US. • H W Spiegel, (1991) <i>Development of Economic Thought</i>, John Wiley and Sons, inc., New York. • Heilbroner, R. L. (2011). <i>The worldly philosophers: The Lives, Times and Ideas of the Great Economic Thinkers</i>. Simon and Schuster. • Hunt, E. K., & Lautzenheiser, M. (2015). <i>History of Economic Thought: A Critical Perspective</i>. Routledge. • Ingrid Hahne Rima, (2009) <i>Development of Economic Analysis</i>, Richard D. Irwin, inc. Illinois. • John Fred Bell, (1953) <i>A History of Economic Thought</i>, The Ronald Press Company, New York. • Joseph A Schumpeter, (2003) <i>Ten Great Economists, from Marx to Keynes</i>, OUP, New York. • Kishtainy, N. (2018). <i>A little history of economics</i>. Yale University Press. • Lewis H. Haney, (2011) <i>History of Economic Thought</i>, The Macmillan Company, New York. • Morgan, M. S. (2012). <i>The world in the model: How economists work and think</i>. Cambridge University Press. • Overton H. Taylor, (1960) <i>A History of Economic Thought</i>, McGraw-Hill Company, Inc. New York. • Rodrik, D. (2015). <i>Economics rules: Why economics works, when it fails, and how to tell the difference</i>. OUP Oxford. 		

- Stanley L. Brue, (2013) *The Evolution of Economic Thought*, The Dryden Press, Fort Worth.
- Schumpeter, J. A. (2006). *History of Economic Analysis*. Routledge.
- Screpanti, E., & Zamagni, S. (2005). *An Outline of the History of Economic Thought*. Oxford

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme		
Semester	SEVEN		
Name of the Course	Methodology of Economics		
Course Code	B25-MSE-707		
CourseType	DSE-H1		
Level of the course	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: To understand the nature of science and scientific method. CLO 2: To understand the economics discipline as social science and the role of assumptions in economics. CLO 3: To understand the hypothetico-deductive model, Falsificationism and Rational Reconstructions of economics. CLO 4: To understand the normative character of economics and Defense positivism. CLO 5: Practical understanding of methods which using in economics.		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
Part B-Content of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Science- Different Branches of Science; Evolution of Scie Approach i Social Sciences; Need for Interdisciplinary Appr Objectivity and Subjectivity in Social Science; Limits to Objectiv Social Science		12
II	Economics as a Social Science; Subject matter and Scope of Economics; Positive and Normative Economics; Economic Theory and Economic Laws; Micro and Macro Economics; Role of Assumptions in Economics; Method and Methodology- Deductive and Inductive; Economic Models		11
III	The hypothetico-deductive model; The symmetry thesis; Falsificationism; Problem of Induction and the Duhem-Quine thesis; Descriptive methodology- Rational Reconstructions of economics:		11

	Lakatos, Laudan; Rational-cum-relativist reconstructions: Kuhn, Feyerabend	
IV	Normative character of economics- J.Robinson, Myrdal, and Streeten; Defense positivism: Robbins, Lipsey, and Friedman ; Marxist critique: Fine, Meeks, and Dobb ; Orthodox and Heterodox Economics	11
Total Contact Hour		45
Practicals		Contact Hours
	<ul style="list-style-type: none"> • Students will prepare a practical file containing 2 practicals from each unit. • Practicals may be done using the software chosen by the teacher. • The external examiner shall take the written exam followed by viva voce. <p>4. Syllabus contains all the contents mentioned in the four units</p>	30
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	20	➤ Theory: 50
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	5	
• Mid-Term Exam:	10	
➤ Practicum	10	➤ Practicum 20
• Class Participation:	-	Lab record, Viva-Voce, write-up and execution of the practical
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
• Mid-Term Exam:	-	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Blaug, M., The Methodology of Economics or How Economists Explain, Cambridge Surveys of Economic Literature • Backhouse R. (ed.), Explorations in Economic Methodology: From Lakatos to Empirical Philosophy of Science, Routledge • Backhouse R., Hausman, D., Mäki, U., Salanti, A. (eds.), Economics and Methodology, Crossing Boundaries, Palgrave McMillan • Backhouse R. (ed.), New Directions in Methodology, Routledge • Dow, S.C. Economic Methodology: An Inquiry, Oxford University Press, latest edition Journal of Economic Methodology 		

Session: 2025-26			
Part A– Introduction			
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme		
Semester	EIGHT		
Name of the Course	Advanced Micro Economic Analysis-II		
Course Code	B25-MSE-801		
CourseType	CC-H4		
Level of the course	400-499		
Pre-requisite for the course (ifany)	N.A.		
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1. Understand new advances in the theory of firm and think critically analyze economic problems in the context of firm.</p> <p>CLO 2. Adopt different analytical concepts and models in framing development and policy-relevant problems particularly factor pricing and income distribution.</p> <p>CLO 3. Understand the effects of various decisions on welfare of people through general equilibrium analysis.</p> <p>CLO 4. Apply Microeconomic tools to solve real life problems especially under uncertainty and game theory.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Max. Marks	100	-	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question.All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	MAIN CONTENTS: Managerial Theories of FirCritical evaluation of marginal analysis; Average Cost Pricing model; Bain’s Limit Pricing Theory; Baumol’s Sales Revenue Maximization model (all four static models); Marris Model of Managerial Enterprise; Williamson’s Model of Managerial Discretion.		15
II	Factor Pricing Pricing of factors of production (modern approach under perfect and imperfect market); Elasticity of technical substitution and factor shares; Technical progress and factor shares; Macro theories of distribution – Ricardo, Marx, Kalecki and Kaldor.		15
III	General Equilibrium and Market Efficiency The Walrasian approach to general equilibrium; Existence, stability and uniqueness of the partial equilibrium; Pareto Optimality; Maximization of social welfare; Market failure: Externalities, Public goods and asymmetric information; Moral Hazard and Adverse selection; The theory of second best; Economics of information – search costs, market signaling.		15

IV	Choice Under Uncertainty Inter-temporal choice in consumption; Economics of Uncertainty: Risk and Uncertainty in Demand Choices, Measuring Risk, Utility Theory and Risk Aversion, Gambling and Insurance, Risk aversion and Indifference curves, Reducing risk and uncertainty, Risk pooling and risk spreading,	15
	Mean-variance analysis and portfolio selection. Theory of Games Extensive forms and normal forms, dominant strategies and elimination of dominant strategies, Nash equilibrium, cooperative and non-cooperative games, sequential and simultaneous games, applications with oligopoly markets- Cournot, Bertrand and Stackelberg.	
Total Contact Hour		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Koutsoyiannis, A. (1979), <i>Modern Microeconomics (2nd Edition)</i>, Macmillan Press, London. • Pindyck, R. & Rubinfeld, D. (2018), <i>Microeconomics (9th Edition)</i>, Pearson Education. • Varian, H. (2000), <i>Microeconomic Analysis</i>, W.W. Norton, New York. • Bain, J. (1958), <i>Barriers to New Competition</i>, Harvard University Press, Harvard • Hirshleifer, J. & Glazer, A. (1997), <i>Price Theory and Applications</i>, Prentice Hall of India, New Delhi. • Bronfenbrenner, M. (1979), <i>Income Distribution Theory</i>, Macmillan, London. • Da Costa, G.C. (1980), <i>Production, Prices and Distribution</i>, Tata McGraw Hill, New Delhi. • Boadway, R.W. & Bruce, N. (1984), <i>Welfare Economics</i>, Basil Blackwell, London. • Graff, J. De V. (1957), <i>Theoretical Welfare Economics</i>, Cambridge University Press, • Green, H. & Walsh, V. (1975), <i>Classical and Neo-Classical Theories of General Equilibrium</i>, Oxford University Press, London. • Hansen, B. (1970), <i>A Survey of General Equilibrium Systems</i>, McGraw Hill, New York. • Quirk, J. & Saposnik, R. (1968), <i>Introduction to General Equilibrium Theory and Welfare Economics</i>, McGraw Hill, New York. • Weintrub, E.R. (1974), <i>General Equilibrium Theory</i>, Macmillan, London. • Borch, K.H. (1968), <i>The Economics of Uncertainty</i>, Princeton University Press, Princeton. • Diamond, P.A. & Rothschild, M. (Eds.). (1978), <i>Uncertainty in Economics: readings and exercises</i>, Academic Press, New York. • Gravelle, H. & Rees, R. (2008), <i>Micro Economics</i>, Dorling Kindersley. 		

- Jehle, Geoffrey A. & Reny, Philip J. (2008), *Advanced Micro Economic Theory*. Dorling Kindersley.
- Varian, H. (2003),, *Intermediate Microeconomics*, East-West Press
- https://www.edx.org/learn/economics?hs_analytics_source=referrals&utm_source=mooc.org&utm_medium=referral&utm_campaign=mooc.org-topics

Session: 2025-26			
Part A– Introduction			
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme		
Semester	EIGHT		
Name of the Course	Advanced Macro Economic Analysis-II		
Course Code	B25-MSE-802		
CourseType	CC-H5		
Level of the course	400-499		
Pre-requisite for the course (ifany)	N.A.		
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand money choices: Explore the Theory of Demand for Money</p> <p>CLO 2:Able to learn the theories of money supply and interest rates</p> <p>CLO 3:Identify the phases of the business cycle/inflation and the problems caused by cyclical fluctuations in the market economy and to show an ability to reflect on how economic shocks affect aggregate economic performance in the short and long term</p> <p>CLO 4:Explain the components of aggregate economic activity in an open economy framework</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Max. Marks	100	-	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question.All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Theory of Demand for money Classical Approach to Demand for Money – Quantity Theory Approach; Fisher’s equilibrium; Cambridge Quantity theory; Keynes Liquidity Approach – Transaction; Precautionary and Speculative Demand for Money;		15

	Post Keynesian approaches to demand for money: Tobin (Portfolio balance approach), Baumol (Inventory theoretic approaches), Friedman (Restatement of quantity theory of money), Patinkin's real balance effect.	
II	Theory of Supply for money and Interest Rates Measures of money supply and Monetary Aggregates; Determinants of money supply; Money Multiplier Approach; Behavioural model of Money Supply Determination; Instruments of Monetary control. Interest Rates - Theories of Determination of Interest Rate: Classical Loanable Funds and Keynesian; Theories of Term Structure of Interest Rates.	15
III	Theory of Inflation Classical, Keynesian and Monetarist approaches; Structuralist theory of inflation; Philips curve analysis – Short run and long run Philips curve Natural Rate of Unemployment hypothesis; Modified Philips curve Tobin, Samuelson-Solow Theory of Business Cycles Business Cycle Theories of Kaldor, Samuelson, Hicks, and Kalecki Control of business cycles – relative efficacy of monetary and fiscal policies.	15
IV	Open Economy Macroeconomics Balance of Payment Disequilibrium and Equilibrium; Real and Nominal Exchange Rates; Dornbush Exchange rate Overshooting Model Mundell- Fleming Model under Fixed and Flexible Exchange Rates. Recent Developments Role of Expectations in Economics; Adaptive Expectation hypothesis New Classical Macroeconomics: Rational Expectation Hypothesis Policy Ineffectiveness, Lucas Supply Curve.	15
Total Contact Hour		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Mankiw, Gregory N. (2003) <i>Macroeconomics</i>, Worth Publishers. 		

- Romer, David (2012) *Advanced Macroeconomics*, McGraw Hill Education.
- Levacic, Rosalind &Rebmann, Alexander (2015) *Macroeconomics*, Macmillan, London.
- Mishkin, F.S. (2016) *The Economics of Money Banking and Financial Market*,.Pearson.
- Bain, K. & Howells, P. (2009) *Monetary Economics: Policy and its Theoretical Basis*,

Macmillan International Higher Education.

- Handa, Jagdish (2000). *Monetary Economics*.,Routledge, London
- Gali, J. (2015). *Monetary Policy, inflation and Business Cycles*, Princeton University Press
- Frisch, H. (1983). *Theories of Inflation*, Cambridge University Press
- Romer, D. &Mankiw, N. Gregory (1995). *New Keynesian Economics (Volume-2)*. MIT Press.
- Sheffrin, Steven M. (1996). *Rational Expectations*, Cambridge University Press
- Galbacs, Peter (2015) *The Theory of New Classical Macroeconomics: A Positive Critique*. Springer

Session: 2025-26	
PartA– Introduction	
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme
Semester	EIGHT
Name of the Course	Mathematical Economics-II
Course Code	B25-MSE-803
CourseType	CC-H6
Level of the course	400-499
Pre-requisite for the course (ifany)	N.A.
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand and formulate the equilibrium in multi-market system and derive the conditions for the existence, stability and uniqueness of such equilibrium and thereby solve various policy issues in context of multi-market system.</p> <p>CLO 2 : Explain and derive mathematically the conditions of optimality, social welfare function and design policies for welfare maximization.</p> <p>CLO 3 : Illustrate and formulate various macroeconomic models with regard to multiplier, accelerator, super multiplier; trade cycles models of samuleson and Hicks</p> <p>CLO 4 : Illustrate and formulate various macroeconomic models with regard to input-output analysis, national income, inflation–unemployment relationship, multiplier–accelerator interactions, and economic growth and thereby design effective policies in</p>

	macroeconomic framework.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Max. Marks	100	-	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Multi-market Equilibrium Pure exchange; Two commodity exchange; Production and exchange; The numeraire and money; Existence of equilibrium: Theory and Proof; Static and dynamic conditions for stable equilibrium; Uniqueness of equilibrium. Market Imperfections information asymmetry and Market failures.		15
II	Welfare Economics Pareto Optimality; The efficiency of perfect and imperfect competition; The external effects in consumption and production; Social welfare functions – The Arrow impossibility theorem; The Theory of Second Best.		15
III	Macroeconomic Models Dynamic analysis of multiplier, accelerator, super multiplier; trade cycles models of samuleson and Hicks		15
IV	Macroeconomic Models Input-output model; National Income models (open & closed); Expected Inflation Augmented Phillips relation; Growth models – Domar, Harrod, John Robinson's Golden Age Model, Duesenberry's Optimum Growth Model, Solow, Meade, Kaldor.		15
Total Contact Hours			60
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	
➤ Theory	30	➤ Theory:	70
• Class Participation:	5	Written Examination	

• Seminar/presentation/assignment/quiz/class test etc.:	10
• Mid-Term Exam:	15

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- Allen, R.G.D. (1972). *Mathematical economics*. Macmillan, London.
- Allen R.G.D. (2002). *Mathematical analysis for economists*. Macmillan Press and ELBS, London.
- Alhabeeb, M.J., & Joe Moffitt, L. (2014). *Managerial economics: A mathematical approach*. John Wiley & Sons.
- Arrow, K. J. & Intrilligator, M. (Eds.). (1987). *Handbook of mathematical economics* (Volumes I, II and III). North Holland, Amsterdam.
- Chiang, A.C. (1999). *Elements of dynamic optimization*. Waveland Press Inc., Long Grove, Illinois.
- Chiang, A.C. (2006). *Fundamental methods of mathematical economics*. McGraw Hill, New York.
- Chung, J.W. (1994). *Utility and production: Theory and applications*. Basil Blackwell, London.
- Dernburg, T. F., & Dernburg, J. D. (1984). *Macroeconomic analysis: An introduction to comparative statics and dynamics*. Addison-Wesley Publishing Company, Philippines.
- Ghatak, A. (1994). *Macroeconomics: A mathematical approach*. Concept Publishing Company, New Delhi.
- Henderson, J. M. & Quandt, R.E. (2003). *Microeconomic theory: A mathematical approach*. McGraw Hill, New Delhi.
- Jha, R. (2008). *Contemporary macroeconomics theory and policy*. Willey Eastern Ltd., New Delhi.
- Jones, Hywel G. (1978). *An introduction to the modern theory of economic growth*. McGraw Hill-Kogakusha, Tokyo.
- Koutsoyiannis, A. (1979). *Modern microeconomics*. Macmillan Press, London.

Session: 2025-26

Part A-Introduction

Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme
Semester	EIGHT
Name of the Course	Data Analytics for Economists II
Course Code	B25-MSE-804
CourseType	PC-H2
Level of the course	400-499
Pre-requisite for the course (ifany)	N.A.

Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand, apply and solve the problems on univariate and bivariate data besides hypothesis testing in a software.</p> <p>CLO 2: Understand and compute various regressions in a software.</p> <p>CLO 3: Understand and compute the problems of Autocorrelation, Multicollinearity and heteroskedasticity using a software.</p> <p>CLO 4: Understand and compute future value, present value and financial ratios using a software.</p> <p>-----</p> <p>CLO 5: Demonstrate the ability to solve the contents using a software.</p>		
Credits	Theory	Practical	Total
	0	4	4
Teaching Hours per week	0	8	8
Internal Assessment Marks	0	30	30
End Term Exam Marks	0	70	70
Max. Marks	0	100	100
Examination Time		3 hours	
Part B-Contents of the Course			
Unit	Topics		Contact Hours
I	Interval estimation Hypothesis testing – one sample and two samples t test, Wilcoxon signed- Rank test, Mann – Whitney U test, ANOVA Construction of Index Numbers - Deflating a Series by Price Indexes Time Series Analysis and Forecasting. SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA		30
II	Regression analysis – multiple Panel data Analysis Logistic Regression Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA		30
III	The problem of Autocorrelation The problem of Multicollinearity The problem of heteroskedasticity Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams):		30

	Excel functions, SPSS, E-VIEWS, STATA	
IV	Financial Statement Ratio Analysis Common Sized Financial Statements and DuPont Analysis Future Value Lump Sum Calculations, Simple & Compound Interest Present Value Lump Sum Calculations and PV Function; Future Value For Lender Or Borrower Asset Valuation Using Discounted Cash Flow Analysis and PV Function SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA	30
Total Contact Hour		120
Practicals		
	<ul style="list-style-type: none"> • Students will prepare a practical file containing 2 practicals from each unit. • Practicals may be done using the software chosen by the teacher. • The external examiner shall take the written exam followed by viva voce. <p>4. Syllabus contains all the contents mentioned in the four units.</p>	Exam 3 Hrs.
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	00	➤ Theory: 00
• Class Participation:	00	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	00	
• Mid-Term Exam:	00	
➤ Practicum	30	➤ Practicum 70
• Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Gary Koop: Analysis of economic data, John Wiley & Sons, 2005 • Thomas Cleff: Applied Statistics and Multivariate Data Analysis for Business and Economics: A Modern Approach Using SPSS, Stata, and Excel, Springer • Kurt Jechlitschka, Dieter Kirschke and Gerald Schwarz: Microeconomics using Excel: Integrating economic theory, policy analysis and spreadsheet modeling, Routledge • Shmuel Oluwa: Hands-On Financial Modeling with Excel for Microsoft 365, Packt Publishing • Abdulkader Aljandali and Motasam Tatahi: Economic and Financial Modelling with EViews-A Guide for Students and Professionals • Joaquim P. Marques de Sá: Applied statistics using SPSS, STATISTICA, MATLAB and R, Springer • Robert P. Burns, Richard Burns : Business Research Methods and Statistics Using SPSS, Sage 		

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated		
	Programme		
Semester	EIGHT		
Name of the Course	Advanced Public Economics-II		
Course Code	B25-MSE-805		
CourseType	DSE-H2		
Level of the course	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand translation of individual preferences in terms of public choice through different voting models and know the methods of translating individual preferences into collective choice and understand Arrow's Impossibility Theorem.</p> <p>CLO 2: Understand the concept of Public Enterprises and its forms</p> <p>CLO 3: Learn the concept of public debt and know the Classical Debt theory and classical views on public debt.</p> <p>CLO 4: explain the concept of fiscal federalism discuss the different revenue sharing arrangements between the Central and State Governments.</p> <p>CLO 5: Practical understanding of the Public Economics.</p>		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Public Choice - Majority Rule - Buchanan and Tullock Model, Bowen-Black Model. Arrow's Impossibility Theorem; Public Choice Under Representative Democracy - Downs Model on Demand and Supply of Government Policy; Niskanen Model of Bureaucratic Behaviour.		12
II	Public Enterprises - Forms of Organization of Public Enterprises; Pricing Policy of Public Enterprises; Theory of Second Best; Capacity Constraints and Peak Load Problem.		11
III	Public Debt - Objectives and Sources of Public Debt; Classification and Effects of Public Debt; Burden Controversy of Public Debt - Classical Theory, Modern Theory, Buchanan Thesis, Secondary Burden of Public Debt; Public Debt and Inflation; Public Debt Management and Redemption of Public Debt.		11
IV	Fiscal Federalism - The Decentralisation theorem; Assignment of Functions Among Levels of Government; Tiebout Model and Citizen's Mobility Theory of Intergovernmental Grants; Budget: Various concepts		11

of Budget, Performance budgeting and Zero based budgeting .		
Total Contact Hour		45
Practicals		Contact Hours
<ul style="list-style-type: none"> • Students will prepare a practical file containing 2 practicals from each unit. • Practicals may be done using the software chosen by the teacher. • The external examiner shall take the written exam followed by viva voce. <p style="text-align: center;">4. Syllabus contains all the contents mentioned in the four units.</p>		30
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	20	➤ Theory: 50
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	5	
• Mid-Term Exam:	10	
➤ Practicum	10	➤ Practicum 20
• Class Participation:		Lab record, Viva-Voce, write-up and execution of the practical
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
• Mid-Term Exam:	-	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Bagchi, Amaresh (Ed.). (2005). Readings in Public Finance. Oxford University Press. • Boadway, Robin (1984). Public Sector Economics. Cambridge, Winthrop Publications. • <i>Economic Survey</i>, Government of India (Latest). • H. Rosen, T. Gayer: <i>Public Finance</i>, 9th ed., McGraw-Hill/Irwin, 2009. • Harvey Rosen, <i>Public Finance</i>, McGraw Hill Publications, 7th edition, 2005. • J. Hindriks, G. Myles: <i>Intermediate Public Economics</i>, MIT Press, 2006. • John Cullis and Philip Jones, <i>Public Finance and Public Choice</i>, Oxford University Press, 1st edition, 1998. • Joseph E. Stiglitz, <i>Economics of the Public Sector</i>, W.W. Norton & Company, 3rd edition, 2000. • Kaushik Basu and A. Maertens (ed.), <i>The New Oxford Companion to Economics in India</i>, Oxford University Press, 2013. • M. Govinda Rao, 2011, —Goods and Services Tax: A Gorilla, Chimpanzee or a Genius like Primates?, <i>Economic and Political Weekly</i>, February 12-18. • M. Govinda Rao, <i>Changing Contours of Federal Fiscal Arrangements in India</i>, Amaresh Bagchi (ed.), <i>Readings in Public Finance</i>, Oxford University Press, 2005. • M.M. Sury, <i>Government Budgeting in India</i>, 1990. • Mahesh Purohit, <i>Value Added Tax: Experiences of India and Other Countries</i>, 2007. • Oates, W. E. (1999). An Essay on Fiscal Federalism. <i>Journal of Economic Literature</i>, 37(3), 		

1120-1149.

- Paul Samuelson, 1955, —Diagrammatic Exposition of a theory of Public Expenditure, *Review of Economics and Statistics*, Volume 37.
- R.A. Musgrave and P.B. Musgrave, *Public Finance in Theory & Practice*, McGraw Hill Publications, 5th edition, 1989.
- Rangarajan and D.K. Srivastava, 2005, —Fiscal Deficit and Government Debt: Implications for Growth and Stabilization”, *Economic and Political Weekly*, July2-8.
- Report of the Finance Commission (Latest).
- Roemer, J. (1998).Theories of Distributive Justice. Harvard University Press.
- Shankar Acharya, 2005, —Thirty Years of Tax Reform in India||, *Economic and Political Weekly*, May 14-20.
- Tiebout, C.M. (1956). A Pure Theory of Local Expenditures. *Journal of Public Economics*, 64, 416-424

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme		
Semester	EIGHT		
Name of the Course	Political Economy		
Course Code	B25-MSE-806		
CourseType	DSE-H2		
Level of the course	400-499		
Pre-requisite for the course (ifany)	N.A.		
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	CLO 1: To understand the laws of dialectics and modes of production. CLO 2: To understand the basic tenets of Marxian political economy. CLO 3: To understand monopoly capitalism and Imperialism. CLO 4: To understand the role of planning and market mechanism for development. CLO 5: Practical understanding of the Political Economy.		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
PartB-Contentsofthe Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The			

examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Introduction to Political Economy; Idealism and materialism; Metaphysics and dialectics; Laws of dialectics; Categories of philosophy; Theory of cognition; Dialectical and Historical Materialism; Mode of production; Social super-structure and its elements; Dialectical interaction of base and superstructure; Historical social-economic formations; and Asiatic mode of production.	12
II	Marxian Political Economy; Analysis of capitalism; Development of capitalism in agriculture; Nature and process of planning; Market mechanism; Methods of accumulation; and Primitive socialist and capitalist methods.	11
III	Conceptualization of Imperialism: Emergence of monopoly capitalism and imperialism; Role of banks in monopoly capitalism; Imperialism; Imperialism and the state; Concept of neo-colonialism; Colonialism and Neo-Colonialism; Forces against neo-colonialism and imperialism.	11
IV	Transition to Socialism; Transition period; Problems and policies; Nature of state; Role of Planning; Market mechanism; Distribution of income and wages; and Strategies for third world development.	11
Total Contact Hour		45
Practicals		Contact Hours
	<ul style="list-style-type: none"> • Students will prepare a practical file containing 2 practicals from each unit. • Practicals may be done using the software chosen by the teacher. • The external examiner shall take the written exam followed by viva voce. <p style="text-align: center;">4. Syllabus contains all the contents mentioned in the four units.</p>	30
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	20	➤ Theory: 50
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	5	
• Mid-Term Exam:	10	
➤ Practicum	10	➤ Practicum 20
• Class Participation:	-	Lab record, Viva-Voce, write-up and execution of the practical
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
• Mid-Term Exam:	-	
Part C-Learning Resources		

Recommended Books/e-resources/LMS:

- Dobb, M. (2012). Russian Economic Development since the Revolution. London: Routledge Publications.
- Mandel, E. (1999). Late Capitalism. London: Verso Publication.
- Maurice, C. (2015). Diametrical Materialism: An Introduction. Aakar Books Publishers.
- Petras, J. F. and Veltmeyer, H. (2001). Globalization Unmasked: Imperialism in the 21st Century. Canada: Fernwood Publication.
- Preobrazhensky, E. A. (1965). The New Economics. London: Oxford University Press. (Open Online Access)
- Ravenhill, J. (2016). Global Political Economy. Oxford: Oxford University Press.
- Schumpeter, J. A. (2013). Theory of Economic Development of Capitalism, Socialism and Democracy (2nd Ed.). Wilder Publication, Inc.
- Sweezy, P. M. (1991). The Theory of Capitalist Development (1st Ed.). New Delhi: K. P. Bagchi and Co.
- Varoufakis, Y., Theocarakis, N., and Halevi, J. (2012). Modern Political Economics: Making Sense of the Post-2008 World (2nd Ed.). Oxford: Taylor & Francis Publications.
- Wilczynski, J. (1982). The Economics of Socialism (1st Ed.). New Delhi: S. Chand & Co.Ltd.

Session: 2025-26			
Part A – Introduction			
Name of Programme	M.SC- Economics (Honors) 5-Year Integrated Programme		
Semester	EIGHT		
Name of the Course	Logical Reasoning in Social Sciences		
Course Code	B25-MSE-807		
Course Type	DSE-H2		
Level of the course	400-499		
Pre-requisite for the course (if any)	N.A.		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: Understand the basics of logic and square of opposition. CLO 2: Understand principles of logic, immediate inference and syllogism. CLO 3: Learn the system of pure and mixed syllogism. CLO 4: Understand inductive logic and fallacies. CLO 5: Practical understanding of the Logical Reasoning in Social Science.		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	

Part B-Contents of the Course		
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.		
Unit	Topics	Contact Hours
I	Definition, Nature, and Scope of Logic; Language, Logic, and Concepts Classification of Logical Propositions; Square of Opposition o Propositions	12
II	Fundamental Principles of Logic (The Laws of Thought); Immediate Inference – Conversion, Obversion and Contraposition; Mediate Inference (Syllogism)- Rules of syllogism, Moods and figures	11
III	Pure and Mixed Syllogism – Categorical, Disjunctive and Hypothetical Syllogism; Predicate Logic; Basic Sets; Basic Set Operations	11
IV	Induction and its types; J. S. Mill’s Inductive Methods; Science and Hypothesis- Types , Sources and Verification; Fallacies- Fallacies o Relevance; Fallacies of Defective Induction; Fallacies of Presumption Fallacies of Ambiguity	11
Total Contact Hour		45
Practicals		Contact Hours
<ol style="list-style-type: none"> 1. Students will prepare a practical file containing 2 practicals from each unit. 2. Practical may be done using the software chosen by the teacher. 3. The external examiner shall take the written exam followed by viva voce. 4. Syllabus contains all the contents mentioned in the four units 		30
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	20	➤ Theory: 50
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	5	
• Mid-Term Exam:	10	
➤ Practicum	10	➤ Practicum 20
• Class Participation:	-	Lab record, Viva-Voce, write-up and execution of the practical
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
• Mid-Term Exam:	-	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Alan Hausman and Howard Kahane, Logic and Philosophy: A Modern Introduction" • <u>Colin Allen</u> and <u>Michael Hand</u>, Logic Primer (A Bradford Book), MIT Press • Cooley, John C, A primer of formal logic • Gary Hardegree, Symbolic Logic: A First Course" • Graham Priest, Logic: A Very Short Introduction" • Haughes, George Edward, The elements of formal logic • Hurley, P., A concise introduction to logic (12th Revised edition), Wadsworth Publishing Co 		

Inc.

- Irving M. Copi, Carl Cohen, Kenneth McMahon, Introduction to Logic, Pearson
- James Mahoney, The Logic of Social Science, Princeton University Press
- Mourant, John Arthur, Formal logic: an introductory text book
- Nidditch, Pitt, Introductory formal logic of mathematics
- Prior, Arthur. N, Formal logic
- R. M. Sainsbury, Paradoxes, Cambridge University Press
- Robert Johnson, A Logic Book: Fundamentals of Reasoning
- Satya Sundar Sethy, Introduction to Logic and Logical Discourse, Springer
- W. Stanley Jevons, M.A., Elementary Lessons In Logic: Deductive And Inductive, Macmillan & Co.
- Wilfrid Hodges, Logic, Penguin Books Ltd

Session: 2026-27			
Part A – Introduction			
Name of Programme	MSC- Economics (Honours)5year integrated		
Semester	Nine		
Name of the Course	Global Economic Environment		
Course Code	B25-MSE-901		
CourseType	CC-PG1		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes(CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand basic issues and environment related with globalization</p> <p>CLO 2:Understand the Evaluate the effects of economic integration, trade agreements, and global trade organizations on international trade practices and policies.</p> <p>CLO 3: Understand and analyze the government policies in a Global Setting & international financial system.</p> <p>CLO 4: - - Understand about MNCs and some issues related with marketing and HR.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Max. Marks	100	-	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unitand the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Nature, importance, Evolution, scope advantages and limitations challenges of Globalisation and factors causing globalization; Adapting to changing needs; Country attractiveness. Forces – Political Environment; Legal Environment; Technology Cultural – Environment, Country Classifications , Economic impact o the COVID-19 pandemic.		15

II	Global Trade Policy: Economic integration theory of customs union partial and general equilibrium analysis; Dynamic effects; Integration Experiences-European Union, BRICS, NAFTA, ASEAN, Multilateral trade negotiations-the GATT rounds, UNCTAD and evolution of world trading arrangements; World Trade Organization and fair trade Development Round; Trade Facilitation; Trade War.	15
III	Government Policies in a Global Setting Central banks; Fiscal and monetary policies in a global setting; International financial system Financial crises (The Credit Crisis of 1772, The Great Depression of 1929–39, The OPEC Oil Price Shock of 1973, The Asian Crisis of 1997, The Financial Crisis of 2007–08).	15
IV	Multinational corporations-concept, growth trends, advantages, disadvantages, control, structure, impact Main Issues in International marketing, international human resource management and corporate social responsibility.	15
Total Contact Hour		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Francis Cherunilam (2010), Elements of Business Environment, Himalaya Publishing House. • Ian Brooks, Jamie Weatherston & Graham Wilkinson (2004), The International Business Environment, Prentice Hall Financial Times (Pearson Education). • Ian Brooks, Jamie Weatherston & Graham Wilkinson (2011), The International Business Environment, Challenges and Changes, 2nd edition, Prentice Hall Financial Times (Pearson Education). • Leslie Hamilton & Philip Webster (2018), The International Business Environment, 4th edition, Oxford University Press. • Masaaki Kotabe & Kristiaan Helsen (2004), Global Marketing Management, 3rd edition, Wiley. • P. Subba Rao (2010), International Business Environment [Including Skill Development], Himalaya Publishing House • Warren J. Keegan (2009), Global Marketing Management, 7th edition, Pearson. 		
Session: 2026-27		
Part A – Introduction		
Name of Programme	MSC- Economics (Honours) 5-Year Integrated Programme	
Semester	Nine	
Name of the Course	Demography	
Course Code	B25-MSE-902	

CourseType	CC-PG2		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the meaning, scope, and components of Demography studies.</p> <p>CLO 2: Understand the different important concepts of Demography.</p> <p>CLO 3: Understand the different important rates and trends in the developed and less developed countries.</p> <p>CLO 4: Understand the characteristics of population of India.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Max. Marks	100	-	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Topics			Contact Hours
UNIT 1 Introduction: Meaning and scope of demography; Components of population growth and their inter-dependence; Measures of population change; Structure, distribution and sources of population data.			15
UNIT 2 Concepts of Demography: Vital rates, Life tables, composition and uses, Age pyramids, population projection – stable, stationary and quasi-stationary population International aspects of population growth and distribution; Pattern of age and sex structure in more developed and less developed countries			15

UNIT 3 Importance of study of fertility: Total fertility rate, gross reproduction rate and net reproduction rate; Levels and trends of fertility in more and less developed countries; Factors affecting fertility; Urbanization – Growth and distribution of rural–urban population in developed and developing countries.		15
UNIT 4 Indian Demography: Population & Environment, Population and Human development issues Demographic characteristics of population of India.		15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
Theory	30	Theory: 70
Class Participation:	5	Written Examination
Seminar/presentation/assignment/quiz/class test etc.:	10	
Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS: Agarwala S.N.(1972), India's Population Problem, Tata McGraw-Hill Co., Bombay. Bose, A.(1996), India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi. Bogue, D.J.(1971), Principles of Demography, John Wiley, New York. Chenery H. and T.N. Srinivasan (Eds.) (1989), Handbook of Development Economics, Vol. 1 & 2 Elsevier, Amsterdam. Choubey, P.K.(2000), Population Policy in India, Kanishka Publications, New Delhi. Coale, A.J. and E.M. Hoover (1958), Population Growth and Economic Development in Low Income Countries: A Case Study of India's Prospectus, Princeton University Press, Princeton. Gulati, S.C.(1988), Fertility in India: An Econometric Study of a Metropolis, Sage, New Delhi. Simon, J.L.(1992), Population and Development in Poor Countries, Princeton University Press. Srinivasan, K.(1998), Basic Demographic Techniques and Applications, Sage, New Delhi		

Session: 2026-27	
Part A – Introduction	
Name of Programme	MSC- Economics (Honours) 5 year integrated
Semester	Nine
Name of the Course	Agricultural Economics
Course Code	B25-MSE-903
Course Type	CC-PG3
Level of the course	500-599

Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO)	CLO 1: Understand how farmers allocate resources, manage risk, and respond to market forces.		
After completing this course, the learner will be able to:	CLO 2: Explore how different approaches can improve farming practices, create jobs, and boost food production.		
	CLO 3: Understand, analyze the present concepts of agricultural production functions and factor - product relationships using the tools of micro economics and diversification in agriculture,		
	CLO 4: To learn various issue in Indian Agriculture.		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Max. Marks	100	-	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction To Agriculture Economics Agricultural Economics – Definition, Nature and Scope; Role of agriculture in Economic development, Resource Management in Agriculture, input output relationship, farm organization, Risk and Uncertainty in Agriculture, Instability in agriculture, Supply and Demand Behavior in Agriculture		15
II	Theories of Agricultural Development Schultz’s Transformation of Traditional, Agriculture; Mellor’s Model of Agricultural Development; Boserup Model of Agriculture Development; Ranis – Fei Model of Agriculture Development; Todaro’s model of rural urban migration and unemployment; Hayami - Ruttan Induced Innovation Hypothesis		15

III	Agricultural Production and Its Diversification Agricultural Production- Stock and Flow Resources, Production Relationships, Resource use and efficiency; Production Functions analyses in agriculture; Factor Relationships – Iso-quant and Iso-cost Line, Optimum Combination; Product Relationships – Joint Products, Competitive Products, Supplementary Products and Antagonistic Products; Diversification of Agricultural Production – Horticulture and Floriculture, Mushroom Cultivation and Processing of Agricultural Products.	15
IV	Issues in Indian Agriculture Indian Agriculture: Features, Problems and Trends; Agricultural Productivity in India – Causes of low productivity and Suggestions to increase productivity in India; Agricultural finance; Rural credit; Energy use in agriculture Agricultural Price Policy: origin, objectives, need, instruments, shortcomings and suggestions for Re- orientation of Agricultural Price Policy in India; Agriculture Marketing in India; Agricultural Development and Five Year Plans	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
Theory	30	Theory: 70
Class Participation: 5	5	Written Examination
Seminar/presentation/assignment/quiz/class test etc.:	10	
Mid-Term Exam:	15	
Part C-Learning Resources		

Recommended Books/e-resources/LMS:

- Bhalla, G.S. (2007), Indian Agricultural Since Independence, National Book Trust, India.
- Datt, G. & Mahajan, A (2020) Datt & Sundharam's Indian Economy, S.Chand Publishers, New Delhi.
- Ezaz Anwar, Md (2019), Agriculture and Economic Development in India, New Century Publications
- Gardener, Bruce L., & Rausser, Gordon C. (Eds.) (2002), Handbook of Agricultural Economics, Vol.2A- Agriculture and Its External Linkages, Amsterdam, Elsevier Science B.V
- Goswami, B, Bezbaruah, M. P. & Mandal, R. (Eds.), (2017) Indian Agriculture after the Green Revolution: Changes and Challenges, Routledge, New York
- Goswami, B, Bezbaruah, M. P. & Mandal, R. (Eds.) (2017) Indian Agriculture after the Green Revolution: Changes and Challenges, Routledge, New York
- <https://archive.nptel.ac.in/courses/109/104/109104184/>
- <https://youtu.be/dBCVnh4hdWI>
- Lekhi, R. K. & Singh J, (2019) ,Agricultural Economics An Indian Perspective ,Kalyani publication
- Moss, C.B. (2010), Risk, Uncertainty and the Agricultural Firm, World Scientific Publishing Co. Pte. Ltd. Singapore.
- Paroda, R. S. (2018), Reorienting Indian Agriculture: Challenges and Opportunities, CABI, Oxfordshire, UK.

- Ray, P.K. (2013), Agricultural Insurance: Theory and Practice and Application to Developing Countries, Pergamon Press, Great Britain.
- Singh, Kuldeep (2010) Agricultural Trajectories and Environment Dilemma: Some Evidence from Haryana. Agricultural Situation in India, 67(3).
- Westley, J. R. (2019), Agriculture and Equitable Growth: The Case of Punjab-Haryana, Routledge, New York.

Session: 2026-27	
Part A – Introduction	
Name of Programme	MSC- Economics (Honours) 5-Year Integrated Programme
Semester	Nine
Name of the Course	Research Methodology
Course Code	B25-MSE-904
Course Type	PC-PG1
Level of the course	500-599
Pre-requisite for the course (if any)	N.A
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the meaning of Research methodology and different Research Design.</p> <p>CLO 2: Understand the different Sample design methods and ability of Data collection, edit ingcoding & Presentation skills.</p> <p>CLO 3: Understand the different analysis methods of experimental data.</p> <p>CLO 4: Understand the methods of Multivariate Analysis of Data.</p> <p>-----</p> <p>CLO 5: Demonstrate the ability to solve and computation the different research methods mentioned in CLO 1-4.</p>

Credits	Theory	Practical	Total
	-	4	4
Teaching Hours per week	-	8	8
Internal Assessment Marks	-	30	30
End Term Exam Marks	-	70	70
Max. Marks	-	100	100
Examination Time	-	3 hours	
PartB – Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Topics			Contact Hours
Research methodology			
Research, and Scientific method; Identify and defining a research problem Research Design: Experimental, Ex-post facto research: Exploratory, Historical and Descriptive, Field study & Case-study, Survey research, Case study research.			30
Sample design Probability & Non-probability sampling, Sample size ; Measurement Design-measurement scales; Validity and Reliability Data collection & editing coding; Presentation: Graphical & Content analysis			30
Data analysis Meaning and methods; Analysis of experimental data: Single factor experiments; Single factor Randomized block design; Latin Square design.			30
Multivariate Analysis of Data Discriminant Analysis, Canonical Analysis, Path Analysis (Basic idea only for the discriminant, canonical and path analysis) Thesis writing: Principles; Format of Research reports; Briefing, Rules for Word processing.			30
Total Contact Hours			120
Practicals			Contact Hours
Instructions: Students will prepare a practical file containing 2 practicals from each unit. 2. Practical may be done using the software chosen by the teacher. The external examiner shall take the written exam followed by viva voce. 4. Syllabus contains all the contents mentioned in the four units.			120
Suggested Evaluation Methods			
Internal Assessment: 30		End Term Examination: 70	

Theory	00	Theory:	00
Class Participation:	0	Written Examination	
Seminar/presentation/assignment/quiz/class test etc.:	0		
Mid-Term Exam:	00		
Practicum	30	Practicum	70
Class Participation:	5	Lab record, Viva-Voce, write-up and execution of the practical	
Seminar/Demonstration/Viva-voce/Lab records etc.:	10		
Mid-Term Exam:	15		

PartC-Learning Resources

Recommended Books/e-resources/LMS:

- Alexis Leon and Mathews Leon: Introduction to Computers with Ms-Office, TMH. Asthana and Brij Bhushan: Statistics for Social Sciences (with SPSS applications), PHI.
- Kothari, CR (1995) *Research Methodology: Methods and Techniques*, Wishwa Prakashan (Wiley Eastern Ltd), New Delhi.
- Kurien, C.T. (ed.), *A Guide to Research in Economics*
- KN Krishnaswamy, Appal Sivakumar, M Mathirajan, Management Research Methodology, Pearson Education, Dorling Kindersley (India) Pvt Ltd.
- Foercese, D.P. and Richer, S., *Social Research Methods*
- Feeber, Rand Verdoorn, P.J.: *Research Methodology in Economics and Business*
- Ghosh, B.N., *Scientific Methods and Social Research*
- Kerns: *Essentials of Microsoft Windows, Word and Excel*, PHI Ranjeet Kumar. *Research Methodology*: Sage Publication Ltd Raja Raman. V.: *Fundamentals of Computers*, PHI, New Delhi.
- Sabine, Landau, Brian S. Everitt: *A Handbook of Statistical Analysis using SPSS*, Chapman & Hall/CRC Press LLC
- Spiegel, M.R., *Theory and Problems of Statistics* (Schaum's outlines Series), Thesis and Assignment Writing
- Sinha, P.K.: *Computer Fundamentals*, BPB Publications, New Delhi Sadhu, A.N. and Singh, *Research Methodology in Social Sciences* Sharma, B.A.U. et. Al., *Research Methodology in Social Sciences*
- Wilkinson, T.S. and Bhandarker, P.L., *Methodology and Techniques of Social Research*
- Yamane, T., *Statistics: An Introduction Analysis*.

Session: 2026-27	
PartA – Introduction	
Name of Programme	MSC- Economics (Honours) 5 year integrated
Semester	Nine
Name of the Course	International Financial System
Course Code	B25-MSE-905
Course Type	DSE-PG1
Level of the course	500-599
Pre-requisite for the course (if any)	NA

Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	CLO 1: provide an understanding of International financial systems. CLO 2: understand the various International financial markets and instruments. CLO 3: recognize the risk management operations in the international financial markets. CLO 4: understanding the value of the Multinational Financial System. ----- --- CLO 5: To explore the complexities of the financial management in an international setting, where companies are subject to various risks.		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Introduction of International Financial Environment: Meaning, Scope and Rise; MNC's: Meaning, Objectives, Evolution process of overseas expansion; Financial linkages in the MNC's; Foreign Exchange Markets (Definition, Functions, Participants, Instruments).		12

II	International Monetary System (Bretton Woods system and Smithsonian Agreement and European monetary system), International Financial Institutions (IMF/WB and ADB); Currency forecasting (International Fisher Effect).	11
III	Foreign Exchange Risk Management: Meaning of exchange Risk; Tools and Techniques of Foreign Exchange Risk Management; Foreign Exchange Risk Management through Accounting, Translation and Economic Exposure methods.	11
IV	Multinational Financial System: Value of the Multinational Financial System, Inter-company Fund- Flow Mechanisms: Cost and Benefits, Designing a Global Remittance Policy, Transfer Pricing and Tax Evasion. Issue of GDR, ADR Euro bonds and Foreign bonds	11
Total Contact Hours		45
Practicals		Contact Hours
	Financial instruments traded in the foreign exchange market Currency forecasting (International Fisher Effect). International Financial Institutions (IMF/WB and ADB) Tools and Techniques of Foreign Exchange Risk Management Issue of GDR, ADR Euro bonds and Foreign bonds	30
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
Theory	20	Theory: 50
Class Participation:	5	Written Examination
Seminar/presentation/assignment/quiz/class test etc.:	5	
Mid-Term Exam:	10	
Practicum	10	Practicum 20
Class Participation:	-	Lab record, Viva-Voce, write-up and execution of the practical
Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
Mid-Term Exam:	-	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
A. V. Rajwade; Foreign Exchange, International Finance and Risk Management- Academy of Business Studies.		
Alan C Shapiro – Multinational Financial Management - John Wiley and Sons Ltd		
Apte, P.G: International Financial Management, Tata McGraw Hill, New Delhi		
Black, Stanley W., “International Monetary Institutions”, New Palgrave Dictionary of Economics, MacMillan, London, 1987, pp. 665-673.		
Eitman, D.K. and A.I. Stenehill: Multinational Business Cash Finance, Pearson 15 th edition		
Gupta Shashi K., Rangipraneet International Finance 2nd Edition 2017, Kalyani Publishers		
Henning, C.N., W Piggot and W.H Scott: International Financial Management, McGraw Hill, Int. Ed., New York.		

Holland, John, International Financial Management, Black West, Publishers, UK.
 Levi, Maurice D, "International Finance", Tata McGraw Hill Publishing Company Ltd., New Delhi. Levi, Maurice D:
 International Finance, McGraw- Hill, International Edition.
 P Agarwal International Financial Management, 3rd Edition 2014 HPH
 Rodriquez, R.M. and E.E Carter: International financial Management, Prentice Hall, International Edition.
 Zeneff, D. and J Zwick: International Financial Management, Prentice Hall, International Edition.

Session: 2026-27			
PartA – Introduction			
Name of Programme	MSC- Economics (Honours) 5year integrated		
Semester	Nine		
Name of the Course	Industrial Economics		
Course Code	B25-MSE-906		
CourseType	DSE-PG1		
Level of the course	500-599		
Pre-requisite for the course (ifany)			
CourseLearningOutcomes (CLO) After completing this course, the learner will be able to:	CLO 1:Learn the scope and breadth of industrial economics and able to use the tools of economic analysis and the classical theory of markets in the analysis of organizations CLO 2:Comprehend, compare and present the theories of industrialization and location along with their technical applications. CLO 3:Understand market structure-conduct-performance and appreciate the concept of sellers' concentration along with its measurement using adequate techniques. CLO 4:Understand, compare and analyse various product pricing methods along with their merits and limitations. ----- CLO 5: Demonstrate the ability to understand the industrial policies and problems mentioned in CLO 1-4 through a software.		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
PartB-Contentsofthe Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each			

unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Industrial Organization and Theories of the Firm; Meaning and scope of industrial economics; Industrial organization and ownership structure – public, private, joint and co-operative sectors; Objectives of the firm; Theories of the firm: Managerial Theories, Coasian firm and transaction cost approach, Strategic and knowledge based theories	12
II	Theories of Industrialization and Industrial Location Theories of Industrialization – Hoffman, Chenery and Gershenkron; Theories of industrial location – Weber, Sargent and August Losch theories, Hotelling’s location model, Salop’s location model; Factors affecting location; Balanced regional development of industries.	11
III	Structure-Conduct-Performance Paradigm The structural conduct performance approach; Relationships between structure, conduct & performance; Neo-classical developments of the SCP approach; Sellers concentration and its measurement: the concentration ratio, the Lorenz curve; Product differentiations – its sources and its implications, Entry conditions; Economies of Scale; Market structure and profitability; Market structure and innovation – Process and measurement.	11
IV	Methods of Product Pricing : C cost-oriented methods: Mark-up, cost-plus, Break-even, target return pricing; Market-oriented Methods: Going-rate pricing, Premium pricing, Discount pricing, Sealed-bid Pricing; Peak- Load Pricing; Multi-Product Pricing; Predatory pricing; Pricing of a new product: Skimming and Penetration pricings; Non- Linear Pricing Practices: Price Discrimination.	11
Total Contact Hours		45
Practicals		Contact Hours
	Instructions: Students will prepare a practical file containing 2 practicals from each unit. 2. Practical may be done using the software chosen by the teacher. The external examiner shall take the written exam followed by viva voce. 4. Syllabus contains all the contents mentioned in the four units.	30
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70

➤ Theory	20	➤ Theory:	50
• Class Participation:	5	Written Examination	
• Seminar/presentation/assignment/quiz/class test etc.:	5		
• Mid-Term Exam:	10		
➤ Practicum	10	➤ Practicum	20
• Class Participation:	-	Lab record, Viva-Voce, write-up and execution of the practical	
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10		
• Mid-Term Exam:	-		

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- George J. Borjas, "Labour Economics" McGraw-Hill
- Lester, R.A (1964). *Economics of Labour*, (2nd Edition), Macmillan, New York.
- McConnell, Campbell R, Brue, Stanley L, Macpherson, David A, (2013), *Contemporary Labor Economics*, Eleventh Edition, McGraw-Hill Education, 2 Penn Plaza, New York, NY 10121.
- Rees, A. (1973) *Economics of Work and Pay*, Harper and Row, New York.
- Sen, A.K. (1975), *Employment, Technology, and Development*, Oxford University Press, New Delhi.
- Singh, Chandra Kant (2019), *Labour Economics*, Deshraj & Sons, India.
- Solow, R.M. (1990) *Labour Market as an Institution*, Blackwell, London.
- Paroda, R. S. (2018), *Reorienting Indian Agriculture: Challenges and Opportunities*, CABI, Oxfordshire, UK.
- Ray, P.K. (2013), *Agricultural Insurance: Theory and Practice and Application to Developing Countries*, Pergamon Press, Great Britain.

Session: 2026-27

Part A – Introduction

Name of Programme	MSC- Economics (Honours) 5-Year Integrated Programme
Semester	Nine
Name of the Course	Advanced Econometrics
Course Code	B25-MSE-907
Course Type	DSE-PG1
Level of the course	500-599
Pre-requisite for the course (if any)	N.A
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1 : Address biases and consistency issues in OLS estimators, apply identification rules, and utilize estimation methods such as ILS, IV, 2SLS, and 3SLS.</p> <p>CLO 2 : Detect outliers, implement robust regression methods (M-estimators, Huber's method, LAD), and apply advanced techniques like LASSO and Quantile Regression in economic analysis.</p> <p>CLO 3 : Evaluate model fit using R-squared, choose models with AIC, BIC, and cross-validation, and handle</p>

	overfitting/underfitting issues in regression analysis. CLO 4 : Construct and interpret dummy variables, estimate fixed effects models, and utilize models like LPM, Logit, and Probit for categorical outcomes in economics. ----- CLO 5: Demonstrate the ability to solve the problems mentioned in CLO 1-4 through a software		
Credits	Theory	Practical	Total
	3	1	4
Teaching Hours per week	3	2	5
Internal Assessment Marks	20	10	30
End Term Exam Marks	50	20	70
Max. Marks	70	30	100
Examination Time	3 hours	3 hours	
PartB-Contentsofthe Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Simultaneous Equation Methods The Simultaneous Equation bias and Consistency of OLS Estimator Identification Problem; Rules of Identification- Order and Rank Cond Methods of Estimating Simultaneous Equation System: Indirect Least Sq (ILS), Instrumental Variables (IV), 2SLS and 3SLS Methods		12
II	Robust Regression Models Review of Least Squares Regression (OLS) assumptions and limitations, Detecting outliers and influential points (Cook's distance, leverage), Introduction to Robust Regression, Types of robust regression methods: M-estimators, Huber's method, Least Absolute Deviations (LAD), LASSO regression for variable selection and shrinkage, Quantile Regression for analyzing conditional median or other quantiles, Applications of robust regression in economics and business.		11
III	Model Selection and Diagnostics Review of goodness-of-fit measures (R-squared, adjusted R-squared), Techniques for Model selection : AIC (Akaike Information Criterion), BIC (Bayesian Information Criterion), Cross-validation, Stepwise regression, non-linearity transformations, polynomials, and splines. Overfitting and underfitting: consequences and diagnostics, importance of model selection and diagnostics in regression analysis		11
IV	Dummy Variables and Fixed Effects Models: Definition and construction of dummy variables Use of dummy variables to represent		

	categorical variables, reference category and its interpretation, Applications of dummy variables in Economics, Dummy Variable Trap, Uses of Dummy variable for testing structural change seasonal analysis and interaction effect. LPM, Logit and Probit Models Fixed effects model estimation by LSDV method.	11
Total Contact Hour		45
Practicals		Contact Hours
	Instructions: Students will prepare a practical file containing 2 practicals from each unit. 2. Practical may be done using the software chosen by the teacher. The external examiner shall take the written exam followed by viva voce. 4. Syllabus contains all the contents mentioned in the four units.	30
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	20	➤ Theory: 50
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	5	
• Mid-Term Exam:	10	
➤ Practicum	10	➤ Practicum 20
• Class Participation:	-	Lab record, Viva-Voce, write-up and execution of the practical
• Seminar/Demonstration/Viva-voce/Lab records etc.:	10	
• Mid-Term Exam:	-	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Amemiya, T. (1985). Advanced Econometrics. Harvard University Press, Cambridge, Mass. • Andersen, R. W. (2008). Modern Methods for Robust Regression. Sage Publications • Burnham, K. P., & Anderson, D. R. (2002). Model Selection and Multimodel Inference: A Practical Information-Theoretic Approach (2nd ed.). Springer-Verlag. (Chapter 10) • Cantoni, E., & Ronchetti, E. (2001). Robust Inference for Parametric Statistics. Chapman and Hall/CRC • Fox, J. (2015). Regression Diagnostics (2nd ed.). Sage Publications. (Chapter 12, 13 & 19) • Gujarati, D.N. (1995). Basic Econometrics. McGraw Hill, New Delhi. • Harrell, F. E. Jr. (2015). Regression Modeling Strategies with Applications in Linear Models, Logistic Regression, and Survival Analysis (2nd ed.). Springer International Publishing (Chapter 2, 3 & 11) • Hastie, T., Tibshirani, R., & Friedman, J. (2009). The Elements of Statistical Learning (2nd ed.). Springer New York Inc (Chapter 7) • Intriligator, M.D. (1978). Econometric Methods, Techniques and Applications. Prentice Hall Englewood Cliffs, New Jersey. 		

- Kmenta J. (1998). Elements of Econometrics. University of Michigan Press, New York.
- Koenker, R., & Bassett Jr., G. (1978). Regression Quantiles. *Econometrica*, 46(1), 33- 50.
- Koutsoyiannis, A. (1977). Theory of Econometrics. The Macmillan Press Ltd. London.
- Kutner, M. H., Nachtsheim, C. J., Neter, J., & Li, W. (2004). Applied Linear Regression Models (5th ed.). McGraw-Hill. (Chapter 3)
- McCloskey, D. N., & Trevista, N. S. (2016). All Economists Should Learn About Robust Regression. *The American Economic Review*, 106(5), 1429-1460.
- Menard, S. (2020). Learning Statistics with R (2nd ed.). Sage Publications
- Montgomery, D. C., & Myers, R. H. (2021). An Introduction to Linear Regression Analysis (7th ed.). John Wiley & Sons.
- Rousseeuw, P. J., & Leroy, A. M. (2005). Robust Regression and Outlier Detection. John Wiley & Sons. (Chapters 1 & 2)
- Tibshirani, R. (1996). Regression Shrinkage and Selection via the Lasso. *Journal of the Royal Statistical Society: Series B (Statistical Methodology)*, 58(1), 267-288.

Session: 2026-27			
Part A – Introduction			
Name of Programme	MSC- Economics (Honours) 5-Year Integrated Programme		
Semester	Ten		
Name of the Course	Comparative Economic Systems		
Course Code	B25-MSE-1001		
Course Type	CC-PG4		
Level of the course	500-599		
Pre-requisite for the course (if any)	-		
Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	<p>CLO 1: Understand the important economic growth trends in Britain & USA and role in world economy.</p> <p>CLO 2: Understand the important sectorial development in China and Japan.</p> <p>CLO 3: Understand the economies of USSR and east Asian countries.</p> <p>CLO 4: Understand the role of the state polices in the development of the countries.</p>		
Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Max. Marks	100	-	100
Examination Time	3 hours		
Part B-Contents of the Course			
Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.			
Unit	Topics		Contact Hours
I	Britain and USA Historical evolution and contemporary trends of the British and USA economies; key indicators such as GDP growth, unemployment rates, inflation, and trade balances; Role of US in world economic co-operation, Indo-US economic co-operation.		15
II	Japan and China Economic development of Japan: Agriculture, Industry; Role of entrepreneurship; Technology. China: Agriculture and trade; Cultural Revolution, and Economic Reforms.		15

III	USSR and East Asian Miracles Economic development of USSR: Basic features of USSR economy, Industry & trade Indo-USSR Economic co-operation. Growth Miracle of Newly Industrialized Countries: Taiwan, South Korea and Singapore. Economy of Australia.	15
IV	Role of state in economic development (regulatory and developmental role) Britain, USSR, and Japan, Regional Economic Integration: European Union lessons for India.	15
Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Alec Nove (1969) An Economic History of USSR, Penguin. • Chalmers Johnson (1982) MITI and the Japanese Miracle: The Growth of Industrial Policy 1925-1975, Stanford University Press. • FG Walett: An Economic History of the USA. • GC Allen (1867-1937) A Short Economic History of Modern Japan. • JW Hall, Peter Duus: The Cambridge History of Japan. • Marvice Dobb (1977) Soviet Economic Development since 1917, 6th Edition, Rutledge & Kegan Paul. • R Floud, McCloskey D: The Economic History of Britain since 1700. • Stuart Kirby: An Introduction to Economic History of China. • W.W. Lockwood (1966) Economic Development of Japan, Expanded edition, Princeton University Press. • WHB Court: A Concise Economic History of Britain 		

Session: 2026-27	
PartA – Introduction	
Name of Programme	MSC- Economics (Honours) 5 year integrated
Semester	Ten
Name of the Course	Environmental Economics and Sustainable Development
Course Code	B25-MSE-1002
Course Type	CC-PG5
Level of the course	500-599
Pre-requisite for the course (if any)	

Course Learning Outcomes (CLO) After completing this course, the learner will be able to:	. CLO 1: Understand the dynamics of economy-environment interaction. CLO 2: Analyze environmental challenges and solutions. CLO 3: Examine Policy instruments for environmental Management. CLO 4: Understand the limits to growth and sustainability.
--	---

Credits	Theory	Tutorial	Total
	3	1	4
Teaching Hours per week	3	1	4
Internal Assessment Marks	30	-	30
End Term Exam Marks	70	-	70
Max. Marks	100	-	100
Examination Time	3 hours		

Part B-Contents of the Course

Instructions for Paper- Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 5 questions, selecting one question from each unit and the compulsory question. All questions will carry equal marks.

Unit	Topics	Contact Hours
I	Introduction: The natural environment and the human economy - The neoclassical economic perspective and the ecological perspective, the Material Balance Model, Trade-offs - Economic versus environmental quality, The Economic Process and the Assimilative Capacity of the Natural Environment, The Optimal Level of Pollution.	15
II	Limits to Growth and Sustainability Debate: Economic growth and the environment - the environmental Kuznets curve; Economics of sustainability, concept of sustainable development; indicators of sustainability; Various approaches to environmental accounting, The neoclassical and ecological economics approach to sustainability; Green accounting and alternative indicators of sustainability.	15
III	Policy Instruments: The economic theory of pollution control - The optimal level of pollution; Economic solutions to environmental problems - Pollution taxes, Environmental subsidies, Deposit and Refund systems, Pollution permit trading systems; Conventional solutions to environmental problems-Command-and-Control approach; Economic appraisal of environmental projects - Cost-Benefit Analysis	15
IV	Fundamentals of Environmental Resources and Environmental Problems: Climate change - ecological impacts, Stern Review, The economics of global warming and policy implications; The economics rationale for biodiversity conservation, Biophysical limits to growth - Malthusian and the Neoclassical perspective; Externalities in consumption and production, Public goods, The anatomy of market failure, Institutional arrangements addressing market failure, The absence of property rights and the Coase Theorem.	15

Total Contact Hours		60
Suggested Evaluation Methods		
Internal Assessment: 30		End Term Examination: 70
➤ Theory	30	➤ Theory: 70
• Class Participation:	5	Written Examination
• Seminar/presentation/assignment/quiz/class test etc.:	10	
• Mid-Term Exam:	15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS:		
<ul style="list-style-type: none"> • Baumol, W. J. & Wallace, E.O., The Theory of Environmental Policy, Prentice Hall, New Jersey. • Bhattacharya, Rabindra N (ed.), Environmental Economics -An Indian Perspective, Oxford University Press, New Delhi. • Eugene, T, Environmental Economics, Vrinda Publishers, New Delhi. • Hanley, Nick; Shorgen, Jason F. & White, Ben: Environmental Economics- In Theory & Policy, Macmillan, New Delhi. • Hussien, Ahmad M, Principles of Environmental Economics, Routledge, London • Jhingan, M L. & Sharma, C.K., Environmental Economics -Theory, Management & Policy, Vrinda Publishers, New Delhi. • Karpagam, M, Environmental Economics, Sterling Publishers, New Delhi Kolstad, Charles D., Environmental Economics, Oxford University Press, New Delhi. 		