Kurukshetra University, Kurukshetra

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



Syllabus for Post Graduate Programme

M.A. ECONOMICS

as per NEP 2020 Curriculum and Credit Framework for Postgraduate Programme

With Multiple Entry-Exit, Internship and CBCS-LOCF With effect from the session 2024-25 (in phased manner)

DEPARTMENT OF ECONOMICS FACULTY OF SOCIAL SCIENCE

KURUKSHETRA UNIVERSITY, KURUKSHETRA -136119 HARYANA, INDIA

| | | Part-A Introduction | | |
|---|--|---|--|--|
| Jame of Programme | | M.A. Economics | | |
| emester | | First | | |
| Jame of the Course | | Micro Economic Analysis-I | 2 | |
| Course Code | | M24-ECO-101 | | |
| Course Type: | | CC-1 | | |
| evel of the course | | 400-499 | | |
| Pre-requisite for the co | ourse (if | - | | |
| ne lequisite for the ee | Juise (II | | | |
| Course Learning Outc | omes | CLO 1. Know the scope and breadth of Mic | ro Economics along with un | nderstanding the cor |
| CI () | omes | principles of demand and supply so that they an | e able to apply the understand | ding of these concept |
| After completing this | course, the | to comprehend real world problems along with | the ability to think critically a | and analyze economi |
| earner will be able to: | | problems. | | |
| | | CLO 2. Understand the core principles of pro- | duction and costs so that they | are able to apply th |
| understanding of these concepts to comprehend real world problems alor | | | | ng with the ability t |
| | | think critically and analyze economic problem: | 5. | |
| | | CLO 3. Analyze given situations in a variety | of markets on a microecono | mic level. Understan |
| | | the internal structure and assumptions of the di | fferent analytical frameworks | s of market condition |
| | | their explanatory power and limitations. | | |
| | | CLO 4. Learn and apply relevant optimiz | ation techniques for analys | is of microeconom |
| | | behaviour of consumer, producer and firm | Simultaneously will be at | ble to understand th |
| | | implications and ethical as well as value part of | f it. | |
| Credits | | Theory | Tutorial | Total |
| | | 4 | 0 | 4 |
| Teaching Hours per | week | 3 | 1 | 4 |
| and the second se | Marks | 30 | 0 | 30 |
| Internal Assessment M | | | 0 | 70 |
| Internal Assessment M End Term Exam Mari | ks – | 70 | | 100 |
| Internal Assessment M End Term Exam Mar Max. Marks | ks – | 70 100 | 0 | 100 |
| Internal Assessment M End Term Exam Mar Max. Marks Examination Time | ks – | 70 100 3 hours | 0 | 100 |
| Internal Assessment M End Term Exam Mar Max. Marks Examination Time | ks – | 70 100 3 hours | 0 | 100 |
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| Internal Assessment M End Term Exam Mar Max. Marks Examination Time | ks – | 70 100 3 hours Part-B Contents of the Cours | 0 e | 100 |
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Chairman, Department of Economics

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| Cartels (Joint profit maximization and r cost firm, Dominant firm and Barometric | narket shari price leade | ng); Price leadership r). | models (Low | |
|---|-----------------------------|------------------------------|-----------------|----|
| Total Contact Hours | | | | 60 |
| Suggested I | Evaluation | Methods | | |
| Suggested Eval | uation Met | hods | | |
| Internal Assessment: 30 | | End Term I | 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 Le | earning Res | ources | | |
| Pacammandad Books/F-Resources/I MS. | | | | |

- Koutsoyiannis, A. (1979), Modern Microeconomics (2nd Edition), Macmillan Press, London.
- Varian, H. (2003), Intermediate Microeconomics, East-West Press.
- Pindyck R. & Rubinfeld, D. (2018), Microeconomics (9th Edition), Pearson.
- Salvatore, D. (2009), Microeconomics-Theory and Applications, Oxford University Press.
- Baumol, W.J. (1982), Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
- Green, H.A.G. (1971), Consumer Theory, 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.

| | Session: 2024-2 | 25 | | | |
|--|--|-----------|-------|--|--|
| | Part A-Introduc | tion | | | |
| Name of Programme | M.A. Economic | cs | | | |
| Semester | First | | | | |
| Name of the Course | Macro Economics Analysis-I | | | | |
| Course Code | M24-ECO-102 | | | | |
| Course Type | CC-2 | 8 Z | 6 = a | | |
| 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 classical & Keynesian theories of output and employment analyse their differences, and assess their role in economic fluctuations. CLO 2: Explaining the behaviour of macroeconomic variables by identifying and understanding the extended model. CLO 3: Analyse output, price, and employment under flexible prices in IS- LM. Explore effects of wages, interest rates, and policy on equilibrium. CLO 4: To understand the theories of consumption and investment and their relevance | | | | |
| | Theory | Tutorial | Total | | |
| Credits | 4 | 0 | 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 t | he 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 | |
| Ι | Theory of Output and Employment Determination | | | | |
| | Classical Approach - Output and Employment in Classical | ical T | heory; The Quantity Theory of Money | | |
| | and the Price Level; Classical Model without saving and | 15 | | | |
| | investment; Keynesian Approach - Two Sector Model, T | Sector Model and Four Sector Model. | | | |
| | SELF STUDY CONTENTS (not relevant for exams): | Natu | re and scope of macro Economics, | | |
| | importance of macroeconomics, circular flow of income | in two | o three and four sector of economy. | | |
| II | Theory of Output and Employment Determination | | | | |
| 1 | The Extended Model under Fixed Price Level - The Go | ods l | Market and The Money Market; IS-LM | | |
| | framework and Equilibrium in Goods Market and Mone | y Ma | rket; Effect of Changes in Government | 15 | |
| 1 | spending, Taxation and Aggregate Demand on General E | Equili | brium. | | |
| | SELF STUDY CONTENTS (not relevant for exams): | Natu | re and Scope of Good Market and | | |
| L | Money Market, Money supply Process, the supply of and | l dem | and for money and rate of interest. | | |
| III | Theory of Output and Employment Determination | | | | |
| | The Extended Model under Variable Price Level - D | eriva | tion of Aggregate Demand Curve and | | |
| | Determination of equilibrium price and output lev | /els; | Wage-price flexibility and the Full | 15 | |
| | Employment equilibrium; Interest rate effect and Pigou | Effec | et; Monetary - Fiscal policy analysis in | | |
| | IS-LM Model. | | | | |
| | SELF STUDY CONTENTS (not relevant for exams) | Ratio | nale of Monetary policy, Fiscal policy. | | |
| | Inflation, interest rate and its effect on economy | | | | |
| I | Theories of consumption and Investment | | | | |
| | The Absolute Income Hypothesis; The Relative Income | Нур | othesis; The Permanent Income Theory | | |
| | of Consumption; The Life cycle theory of consumption. | | | 15 | |
| | Ine Marginal Efficiency of Capital Approach; The acc | elera | tor theory; Profits Theory; Jorgenson's | | |
| | SELE STUDY CONTENTS (not release for every) | | | | |
| | SELF STUDY CONTENTS (not relevant for exams): | cons | umer behaviour: Macro Analysis, | | |
| | Cychear and Securar Consumption Benaviour. Basic wor | King | or Multiplier. | (0 | |
| | Suggested Exc | Junet | I otal Contact Hours | 60 | |
| | Internal Assessment: 30 | iluati | End Town Examination | 70 | |
| > Th | Anry | 30 | Theory 70 | 011: 70 | |
| | Devices | 50 | F Theory: 70 | | |
| • Class | Participation: | 5 | Written Examinati | on | |
| • Semin | nar/presentation/assignment/quiz/class test etc .: | 10 | | | |
| • Mid-7 | Гегт Exam: | 15 | | | |
| | Part C-Lear | ning | Resources | | |
| Recomn | nended Books/e-resources/LMS: Recommended Books/ | E-Re | sources/LMS: | | |
| • (| https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=NEp/ | xikgB | gNtfA+sgFOAcA==) (investment and co | nsumption theories) | |
| • h | https://archive.nptel.ac.in/noc/courses/noc15/SEM1/noc15-hs08/ (IS-LM MODEL) | | | | |
| • h | | | | | |
| • h | | | | | |
| • h | n model/ | | | | |
| Langdana, F.K. (2013), Macroeconomic Policy: Demystifying Monetary and Fiscal Policy, Springer. | | | | n 🚃 Coween 62802 | |
| • N | Mankiw, Gregory N. (2003), Macroeconomics, Worth Public | shers. | | | |
| • F | R Dornbusch, S Fischer and R Startz, Macroeconomics, McG | Graw- | Hill. | | |
| • F | Romer, David (2012), Advanced Macroeconomics, McGraw | Hill | Education. | | |
| Shapiro, E (2006), Macroeconomic Analysis, Galgotia Publication, New Delhi. | | | | X | |

| Session: 2024-25 | | | | | | |
|--|--|---|----------|---------------|--|--|
| | | Part A - Introdu | uction | | | |
| Name of Pr | rogramme | M.A. Economics | | | | |
| Semester | | First | | | | |
| Name of th | ne Course | Mathematics for Economists | | | | |
| Course Co | de | M24-ECO-103 | E. | | | |
| Course Ty | pe | CC-3 | | | | |
| Level of th | ne course | 400-499 | | | | |
| Pre-requisi | ite for the course (if any) | | n.a. | | | |
| After comp to: | pleting this course, the learner will be able | Ie matrix algebra techniques to input-output analysis. CLO 2: Apply rules of differentiation and optimization techniques to solve economic problems effectively. CLO 3: Compute the consumer's surplus and producer's surplus by utilizing the tool of integral calculus and develop the ability to solve differential equations. CLO 4: Understand and solve difference equations and linear programming problems using graphical method. | | | | |
| | | Theory | Tutorial | Total | | |
| | п | 4 | 0 | 4 | | |
| Teaching | Hours per week | 3 | 1 | 4 | | |
| Internal As | ssessment Marks | 30 | 0 | 30 | | |
| End Term | Exam Marks | 70 | 0 | 70 | | |
| Max. Mark | ks | 100 | 0 | 100 | | |
| Examinati | on Time | 3 hours | | | | |
| | Part B-Contents of the Course | | | | | |
| Instruction by taking co covering er | 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 questions will carry equal marks. | | | | | |
| Unit | question in questions and early equal me | Topics | | Contact Hours | | |
| I Matrix Algebra and Its Applications | | | | | | |

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| 0 | | |
|-----|--|----|
| I | Matrix Algebra and Its Applications Concept of Matrix and Determinant – their types, 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 Calculus and Its Applications Rules of differentiation; Elasticity and their types; Rules of Partial differentiation and interpretation of partial derivatives; Problems of maxima and minima in single and multivariable functions; Unconstrained and constrained optimization in simple economic problems | 15 |
| III | Integral Calculus and Differential Equations Concept and simple rules of integration; Application to consumer's and producer's surplus. Differential Equations: Solution of Homogeneous, Exact Linear differential equations of First and second order; application to demand, revenue and market equilibrium models. | 15 |
| IV | Difference equations – Solution of first order and second order difference equations; Applications in trade cycle models; Growth models and lagged market equilibrium models. Linear programming – Basic concept, Nature of feasible, basic and optimal solution; Solution of linear programming problem through graphical method | 15 |
| | Total Contact Hours | 60 |
| | Suggested Evaluation Methods | |

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247

| Internal Assessment: 30 | | End 7 | ferm 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:

- 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: 2024-25 | | | |
|--|--|--|--|
| Par | t A – Introduction | | |
| Name of Programme M.A. Economics | | | |
| Semester | First | | |
| Name of the Course | Data Analytics for Economists I | | |
| Course Code | M24-ECO-104 | | |
| Course Type | CC-4 | | |
| Level of the course | 400-499 | | |
| Pre-requisite for the course (if any) | n.a. | | |
| Course Learning Outcomes (CLO) | CLO 1: Understand, apply and solve the problems on revenue, | | |
| After completing this course, the learner will be able | profits, utility and linear programming. | | |
| to: | 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 | | |
| | belo 5. Demonstrate the ability to solve the problems mentioned in | | |



- Say

| | | 20 | CLO 1-4 through s | software. | |
|--|---|---|---|--|---|
| | | | | | |
| Credits | 8 | | Theory | Practical | Total |
| | | | 3 | 1 | 4 |
| Teaching | Hours | per week | 3 | 2 | 5 |
| Internal | Assessme | ent Marks | 20 | 10 | 30 |
| End Terr | n Exam I | Marks | 50 | 20 | 70 |
| Max. Ma | 100 | | | | |
| Examina | tion Tim | | | | |
| | | Part B-0 | Contents of the C | ourse | |
| Instruction compulson No. 1) wil one questi | ns for ry question l consist on from | Paper- Setter: The examiner will on by taking course learning outcom at least 4 parts covering entire syllab each unit and the compulsory question | set 9 questions a les (CLOs) into co pus. The examinee on. All questions w | asking two questions fro nsideration. The compulse will be required to attemp ill carry equal marks. | m each unit and one ory question (Question t 5 questions, selecting |
| Unit | | То | pics | | Contact Hours |
| I | 1. 2. 3. 4. SELF | Computation of revenue and profits function, cost function etc., comput- series. Creation of various charts using ecc multiple system of equations throug Profit maximization and Utility max Linear programming problem using STUDY CONTENTS (not relevant Excel functions | using excel . Give e profits or losses. onomic variables. S the excel solver kimization using so solver t for exams): | n the quantity, demand Also generate a data olving single and lver | 11 |
| II | 5 | Break even analysis in excel | | | 11 |
| | 6. 7. 8. SELF | Sensitivity analysis in energy LPP applications in marketing and a Assignment and shortest path probl STUDY CONTENTS (not relevant | finance em in solver t for exams): | | |
| III | 9. 10. 11. 12. SELF Excel | Generating Frequency Table, Bar C Mean, Median, Standard Deviation and Cramer's V, Pearson's r, and Sp Construction of Frequency, Calcula Dispersion Estimation Correlation Coefficient, Correlation – Estimation of Simple Regression. STUDY CONTENTS (not relevan functions | thart, Pie Chart, Hi and Range, Contin bearman's rho, Scat ation of Central Ter Zero Correlation t for exams): | stogram, Arithmetic gency Table, Chi-square, ter Diagrams adencies and Measures of Matrix , Part and Partial | 12 |
| IV | 13 14 15 16 SELF Excel | Project scheduling- PERT and CPM Inventory models Economic production lot size mode Multi-period Order-Quantity, Reord STUDY CONTENTS (not relevan functions | 1 der Point Model wi t for exams): | th Probabilistic Demand | 11 |
| V | Practi 1. Stud 2. Prac 3. The 4. Syll | cals: lents will prepare a Practical file con- trical may be done using the software external examiner shall take the writ abus contains all the contents mentio | taining 4 Practicals chosen by the tead ten exam followed ned in the four uni | from each unit. cher. by viva voce. ts. | 30 |
| | | Total Contact I | Hours | | 75 |

249

| Suggested Eval | uation M | ethods | | | |
|---|----------|--|---------------------|------------------------------|--|
| Internal Assessment: 30 | | | End Term l | Examination: 70 | |
| > Theory | 20 | > | Theory: | 50 | |
| Class Participation: 5 | | | Written Examination | | |
| • Seminar/presentation/assignment/quiz/class test etc.: | 5 | | | | |
| • Mid-Term Exam: | 10 | 0 | | | |
| > Practical | 10 | > | Practical | 20 | |
| Class Participation: | 5 | 5 Lab record, Viva-Voce, write-up and execution 5 the Practical | | e, write-up and execution of | |
| • Seminar/Demonstration/Viva-voce/Lab records etc.: | 5 | | | Practical | |
| • Mid-Term Exam: | - | | | | |
| Part C-Learn | ing Reso | urces | | | |

Recommended Books/e-resources/LMS:

- 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, Routlage
- Humberto Barreto: Intermediate Microeconomics with Microsoft Excel, Cambridge University Press
- Vikas Singla: Operations Research Using Excel, Taylor and Francis

| s | Session: 2024-25 | | | | |
|---|--|-----------------------------|---------------------------|--|--|
| Par | t A – Introductio | n | | | |
| Name of Programme | M.A. Economics | | | | |
| Semester | First | | | | |
| Name of the Course | Public Economics | | | | |
| Course Code | M24-ECO-105 | | | | |
| Course Type | DEC-1 | | | | |
| Level of the course | 400-499 | | | | |
| Pre-requisite for the course (if any) | | n.a. | | | |
| Course Learning Outcomes (CLO) | CLO 1: Expla | in the concept of efficie | ency along with various | | |
| After completing this course, the learner will be able | solutions of m | arket failure and interpret | the welfare distribution | | |
| to: | aspects in context of public goods besides grasping the preference | | | | |
| | revelation mechanisms. | | | | |
| CLO 2: Apply economic perspectives on activities of the | | | | | |
| government sector to become well-informed and engaged | | | | | |
| | participants (ci | tizens, voters, politicians | and/or civil servants) in | | |
| | society. | | | | |
| | CLO 3: Draw | the economic implication | s of various taxes along | | |
| | with their posit | ive as well as normative a | nalysis, and thus become | | |
| | CLO 4: Analyz | the theories of fiscal fee | axation system. | | |
| | pricing in put | lic enterprises and solu | the concerned policy | | |
| | issues. | ne enterprises, and sort | e the concerned policy | | |
| Ċredits | Theory | Tutorial | Total | | |
| | 4 | 0 | 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

Cha Department of Economics

Kurukshetra University,

250

| No. 1) will | consist at least 4 parts covering entire syllabus. The example from each unit and the compulsory question. All quest | ninee | will be required to | o attempt | 5 questions, selecting |
|-------------------|---|---|---|--|---|
| Unit | Topics | 0113 1 | in oury equalina | | Contact Hours |
| I | The Public Economy and Public Goods Exchange Economy, Production Economy and Effici and market Failure; Externalities and their Internalize Political Process; Efficient Provision of Public Goods; I Goods; Samuelson Model; Clarke Mechanism; Lindah of Club Goods. | ormation osts and e Public Theory | 15 | | |
| | SELF STUDY CONTENTS (not relevant for exams) Concepts of Demand curve, Supply curve, Indifferen possibility curve, Budget or price line, Isocost line, and and marginal cost. | ve, Proc arginal | n n | | |
| II | Public Choice Rational Voter Hypothesis; Characteristics of Majori Model; Buchanan and Tullock Model; Arrow's Imposs on Demand And Supply of Government Policy; Mod Niskanen Model, Tullock Model; Voting and the Leviat SELF STUDY CONTENTS (not relevant for exams): | ty Vo ibility dels o han H | oting Rule; Bowe Theorem; Down f Bureaucratic B ypothesis. | n-Black s Model ehavior: | 15 |
| III | Basic knowledge of rational consumer behavior. Public Revenue Incentive Effects of Taxation on Labour Supply, Sa Incidence – Partial and General Equilibrium Analysis; Measurement; Efficiency and Equity Principles of Tax:The Ramsey Rule, The Corlett and Hague Rule; Op | avings Exce Faxati timal | , and Risk Taki ss Burden of Tax on; Optimal Cor Income Tax. | 15 | |
| | SELF STUDY CONTENTS (not relevant for exams): Meaning and types of taxes; Partial equilibrium vs. gene consumer surplus. | ral eq | uilibrium; Idea of | | |
| IV | Fiscal Federalism, Public Debt, and Public Enterpris Fiscal Federalism: Tiebout Model, Theory of Intergov fiscal relations in India - Theory and Practice; Public I Sustainability; Public Enterprises: Ramsey-Boiteux pricing, Peak load pricing, Theory of Second Best, Socia | Ieralism, Public Debt, and Public Enterprises Ieralism: Tiebout Model, Theory of Intergovernmental Grants, Centre-State tions in India - Theory and Practice; Public Debt: Burden Controversy, Debt lity; Public Enterprises: Ramsey-Boiteux Linear pricing, Marginal cost eak load pricing, Theory of Second Best, Social Cost Benefit Analysis. | | | |
| | SELF STUDY CONTENTS (not relevant for exams): Concepts and forms of public debt and public enterprise government. | s; Ide | a of federal set-up | of | |
| fotal Con | itact Hours | | | | 60 |
| | Suggested Evaluation | on Me | thods | F | |
| > The | Internal Assessment: 30 | 30 | End I | erm Exa | 70 |
| • Class | Participation: | 5 | Wi | itten Exa | amination |
| • Semin | nar/presentation/assignment/quiz/class test etc.: | 10 15 | | | |
| - 10110 1 | Part C-Learning | Resou | rces | | |
| Recomm Ja E | Akerlof, G. (1970). The market for 'Lemons': Quatournal of Economics, 84(3), 488-500. Bagchi, Amaresh (2005). Readings in public finance. Bergstrom, T., Blume, L., & Varian, H. (1986). On the Conomics, 29, 25-49. Boadway, Robin (1984). Public sector economics. Can Bowen, H.R. (1943). The interpretation of voting in pournal of Economics, 58(1), 27-48. | ulity u Oxfo he Pr mbrid n the | ncertainty and th d University Press wate Provision of ge, Winthrop Pub allocation of ecc | e marke s. Public C lications nomic re | t mechanism. Quarter Goods. Journal of Publ esources. The Quarter |
| | | | | Chair | nan, |

Department of Economics Kurukshetra University, KURUKSHETRA-136119.

- 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.
- Ihori, Toshihiro (2016). *Principles of public finance*. Springer.
- Jha, Raghbendra (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: 2024-25 | | | | |
|--|--|--|--|--|
| Part A – Introduction | | | | |
| Name of Programme | M.A. Economics | | | |
| Semester | First | | | |
| Name of the Course | History of Economic Thought | | | |
| Course Code | M24-ECO-106 | | | |
| Course Type | DEC-1 | | | |
| Level of the course | 400-499 | | | |
| Pre-requisite for the course (if any) | n.a. | | | |
| Course Learning Outcomes (CLO) | CLO 1: To understand the ancient and classical economic thought. | | | |
| After completing this course, the learner will be able | CLO 2: To learn the socialist economic philosophy. | | | |

Chairman, Department of Écônôfilics Kurukshetra University, KURUKSHETRA-136110

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| to: | | CLO 3: To un and we CLO 4: To le | nderstan lfare ec arn the | d the economic phi onomists. economic thought c | ilosophy of ne of Keynesian a | o- classical and post |
|---|--|--|---|---|---|--|
| Credits | | Theory | sian thir | Tutorial | To | tal |
| creans | | | | | | 4 |
| Teachir | ng Hours per week | ro per week 3 1 4 | | | | |
| Internal | Assessment Marks | 30 | | 0 | | 30 |
| End Ter | m Exam Marks | 70 | 1 | 0 | | 70 |
| Max. M | arks | 100 | | 0 | 1 | .00 |
| Examin | ation Time | 3 hours | | | | |
| | Part B-0 | Contents of the | Cours | e | | |
| Instructi compulso No. 1) wi one quest Unit | ions for Paper- Setter: The examiner will bory question by taking course learning outcom ill consist at least 4 parts covering entire syllab tion from each unit and the compulsory question | set 9 question nes (CLOs) into ous. The examin on. All questions Topics | s askin conside ee will l will ca | g two questions fir ration. The compu- be required to attem rry equal marks. | rom each uni lsory question ppt 5 questions | t and one (Question s, selecting Contac |
| | | | | | | Hours |
| I | Overview of The Mercantilists School and | the Physiocratic | School | ; The Classical Scl | hool: Adam | 15 |
| 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 Returns and Rent, Theory of Exchange Value and Relative Prices, The Distribution of Income. Jeremy Bentham, Jean-Baptiste | | | | | | |
| | Say, Nassau William Senior, and John Stuar | rt Mill. | les Fou | rier. Simonde De S | ismondi. | 15 |
| | Robert Owen, Marxian Socialism: Marx's T | Theory of Histor | y, Asses | ssment of Marx's E | conomics. | |
| | Alfred Marshall: Utility and Demand, Supplincome, Increasing and Decreasing Cost Inc The Neo Classical School - Departure from Robinson. Welfare Economics: Vilfredo Pareto, Arthree Kenneth Arrow, James M. Buchanan, Brief | oly, Equilibrium dustries. Pure Competitio ur Cecil Pigou, I Discussion on A | Price an on: Pier Ludwig A.K. Ser | nd Quantity Distrib o Sraffa, Chamberli Von Mises, Oscar I 1. | ution of in, Joan Lang, | 15 |
| IV | Overview of the Keynesian School, The Ke Hansen, Paul A. Samuelson, The Post-Keyr | eynesian School: nesians, The Nev | Develo w-Keyn | pments since Keyn esians. | es: Alvin H. | 15 |
| | Overview of the Chicago School - Milton F | riedman, Rober | E Luca | is, Jr., Gary S. Beck | ker. | |
| | | | | Total C | Contact hours | 60 |
| | Suggeste | ed Evaluation N | lethods | End Term F | vamination. | 70 |
| | heory | 3 | | > Theory: | 70 | |
| • Clas | s Participation: | 5 | | Written E | Examination | |
| • Sem | inar/presentation/assignment/quiz/class test etc | c.: 10 | 0 | | | |
| • Mid- | -Term Exam: | 1: | 5 | | | |
| | Part C- | Learning Res | ources | | | |
| | Blaug, M. (1997). Economic theory in retrospe Eric Roll, (2002) <i>History of Economic Though</i> Gide, C., & Rist, C. (2000). Early Histories of 8). Taylor & Francis US. H W Spiegel,(1991) <i>Development of Economic</i> Heilbroner, R. L. (2011). The worldly philoso Simon and Schuster. Hunt, E. K., & Lautzenheiser, M. (2015). Histories | ect. Cambridge of t, Rupa and Co, f Economic Thou tic Thought, Johr ophers: The Live ory of Economic companie Angles | universi New D ught, 18 Wiley es, Time Thoug | ty press. elhi. 24-1914: History o and Sons, inc., Nev and Ideas of the ht: A Critical Persp ard D. Invin inc. II | f economic do v York. Great Econon pective. Routle | octrines (Vol nic Thinkers edge. |
| • | Ingrid Hanne Rima, (2009) Development of E John Fred Bell, (1953) A History of Economic | conomic Analys c Thought, The F | is, Rich Ronald I | ard D. Irwin, inc. Il Press Company, Ne | w York. | |

. 19 F.,

- · Joseph A Schumpeter, (2003) Ten Great Economists, from Marx to Keynes, OUP, New York.
- Kishtainy, N. (2018). A little history of economics. Yale University Press.
- Lewis H. Haney, (2011) History of Economic Thought, The Macmillan Company, New York.
- Morgan, M. S. (2012). The world in the model: How economists work and think. Cambridge University Press.
- Overton H. Taylor, (1960) A History of Economic Thought, McGraw-Hill Company, Inc. New York.
- Rodrik, D. (2015). Economics rules: Why economics works, when it fails, and how to tell the difference. 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 University Press on Demand.

Department of Economic Rurukshetra University KURUKSHETRA-136119

| Session: 2024-25 | | | | | | |
|---|---|--|--|---------------|--|--|
| Part A - Introduction | | | | | | |
| Name of P | rogramme | M.A. Economi | cs | | | |
| Semester | 0 | First | | | | |
| Name of th | ne Course | Methodology of | Economics | | | |
| Course Co | ode | M24-ECO-107 | | | | |
| Course Ty | ре | DEC-1 | | | | |
| Level of th | ne course | 400-499 | | | | |
| Pre-requis | ite for the course (if any) | | n.a. | 1 | | |
| Course Le After comp to: | arning Outcomes (CLO) pleting this course, the learner will be able | 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 methods. | | | | |
| Credits | | Theory | Tutorial | Total | | |
| | | 4 | 0 | 4 | | |
| Teaching | Hours per week | 3 | 1 | 4 | | |
| Internal A | ssessment Marks | 30 | 0 | 30 | | |
| End Term | Exam Marks | 70 | 0 | 70 | | |
| Max. Mar | <pre>K8</pre> | 100 | 0 | 100 | | |
| Examinati | on Time | 3 hours | | | | |
| | Part B- | Contents of the | Course | | | |
| compulsory No. 1) will one question Unit | question by taking course learning outcom consist at least 4 parts covering entire syllal n from each unit and the compulsory question T | bus. The examine on. All questions | consideration. The compulso ee will be required to attempt will carry equal marks. | Contact Hours | | |
| I | Science- Different Branches of Science; Ev Need for Interdisciplinary Approach; Objec Objectivity in Social Science | olution of Scient ctivity and Subject | ific Approach in Social Scier ctivity in Social Science; Lim | 15 | | |
| II | II Economics as a Social Science; Subject matter and Scope of Economics; Positive and 15 Normative Economics; Economic Theory and Economic Laws; Micro and Macro 15 Economics; Role of Assumptions in Economics; Method and Methodology- Deductive and Inductive; Economic Models | | | | | |
| III The hypothetico-deductive model; The symmetry thesis; Falsificationism; Problem of 15 Induction and the Duhem-Quine thesis; Descriptive methodology- Rational 15 Reconstructions of economics: Lakatos, Laudan; Rational-cum-relativist reconstructions: 15 | | | | 15 | | |
| 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 | | | 15 | | | |
| | | | Total Contact hours | 60 | | |
| | Suggest | ed Evaluation N | lethods | | | |
| | Internal Assessment: 30 | | End Term Exa | mination: 70 | | |
| > Theo | ory | 30 | > Theory: | 70 | | |
| • Class P | articipation: | 5 | Written Exa | mination | | |
| • Semina | ar/presentation/assignment/quiz/class test etc | o.: 10 | | | | |
| • Mid-Te | erm Exam: | 15 | - | | | |
| | Part C- | Learning Res | Jurces | | | |
| Recomme | ended Books/e-resources/LMS: | Learning Rest | | | | |

259

- 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 0
- Dow, S.C. Economic Methodology: An Inquiry, Oxford University Press, latest edition Journal of Economic 0 Methodology

255

| Session: 2024-25 | | | | |
|---|---|--|--|--|
| Name of the Programme | M.A. Economics | | | |
| Semester | First | | | |
| Name of the Course | Seminar | | | |
| Course Code | M24-ECO-109 | | | |
| Course Type: (CC/DEC/PC/Seminar/CHM/OEC/EEC) | Seminar | | | |
| Level of the course | 400-499 | | | |
| Course Learning Outcomes(CLO) After completing this course, the learner will be able to: | CLO 1: Prepare and Present the given content to demonstrate the ability of effective communication. CLO 2: To develop confidence to tackle queries and analytical ability. | | | |
| Credits | Seminar | | | |
| | 2 | | | |
| Teaching Hours per week | 2 | | | |
| Max. Marks | 50 | | | |
| Internal Assessment Marks | 0 | | | |
| End Term Exam Marks | 50 | | | |
| Examination Time | 1 hour | | | |
| Instructions for Examiner: Evaluation of the seminar will | be done by the internal examiner(s) on the parameters as decided by staff | | | |

council of the department. There will be no external examination/viva-voce examination.

Chamman,

Charman, Department of Economics Kurukshetra University, KURUKSHETRA-136119,

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| | Session 2024-2025 | | | | | |
|-------------------------------|---|---|---|--|--|--|
| Part-A Introduction | | | | | | |
| Name of Programme | e | M.A. Economics | | | | |
| Semester | | Second | Second | | | |
| Name of the Course | | Micro Economic Analysis-II | | | | |
| Course Code | | M24-ECO-201 | | | | |
| Course Type: | | 00.400 | | | | |
| Level of the course | (:0) | 400-499 | | | | |
| Pre-requisite for the | course (if any) | n.a. | CC 1.1.1.1.1.1 | 1 1 | | |
| Course Learning Ou | itcomes (CLO) | CLO 1. Understand new advances in the theory | y of firm and think critical | ly analyze economic | | |
| After completing thi | is course, the | CLO 2. A dont different explosion context of firm. | d and data in farming data | Learner La P | | |
| icaliter will be able | | relevant problems particularly factor pricing a | nd income distribution | topment and policy- | | |
| | | CLO 3 Understand the effects of various deci | sions on welfers of people | through general | | |
| | | equilibrium analysis | sions on wentare of people | e through general | | |
| | | CI 0.4 Apply Microeconomic tools to solve r | eal life problems especial | ly under uncertainty and | | |
| | | game theory | eur me problems especial | ly under uncertainty and | | |
| Credits | | Theory | Tutorial | Total | | |
| | | 4 | 0 | 04 | | |
| Teaching Hours pe | r week | 3 | 1 | 4 | | |
| Internal Assessment | Marks | 30 | 0 | 30 | | |
| End Term Exam Ma | arks | 70 | 0 | 70 | | |
| Max. Marks | | 100 | 0 | 100 | | |
| Examination Time | | 3 hours | | | | |
| | | Part-B Contents of the Course | | | | |
| Instructions for Pa | per- Setter: The | e examiner will set 9 questions asking two ques | tions from each unit and | one compulsory question | | |
| by taking course lea | rning outcomes | (CLOs) into consideration. The compulsory que | estion (Question No. 1) w | ill consist at least 4 parts | | |
| covering entire syll | labus. The exam | ninee will be required to attempt 5 questions | , selecting one question | from each unit and the | | |
| compulsory question | A 11 | | | | | |
| compulsory question | n. All questions | will carry equal marks. | | | | |
| Unit | Topics | will carry equal marks. | | Contact Hours | | |
| Unit I | n. All questions v Topics Managerial T | Theories of Firm | | Contact Hours | | |
| Unit I | Topics Managerial T Critical evalua | will carry equal marks. Theories of Firm tion of marginal analysis; Average Cost Pricin | ng model; Bain's Limit | Contact Hours | | |
| Unit I | Topics Managerial T Critical evalua Pricing Theor | Theories of Firm tion of marginal analysis; Average Cost Pricin y; Baumol's Sales Revenue Maximization | ng model; Bain's Limit model (all four static | Contact Hours | | |
| Unit I | Topics Managerial T Critical evalua Pricing Theor models); Marri | will carry equal marks. Theories of Firm tion of marginal analysis; Average Cost Priciny; Baumol's Sales Revenue Maximization is Model of Managerial Enterprise; Williamson | ng model; Bain's Limit model (all four static 's Model of Managerial | Contact Hours | | |
| Unit I | Topics Managerial T Critical evalua Pricing Theor models); Marri Discretion. | will carry equal marks. Theories of Firm tion of marginal analysis; Average Cost Pricin y; Baumol's Sales Revenue Maximization is Model of Managerial Enterprise; Williamson | ng model; Bain's Limit model (all four static 's Model of Managerial | Contact Hours | | |
| Unit I | Topics Managerial T Critical evalua Pricing Theor models); Marri Discretion. Factor Pricing | will carry equal marks. 'heories of Firm tion of marginal analysis; Average Cost Pricin y; Baumol's Sales Revenue Maximization is Model of Managerial Enterprise; Williamson | ng model; Bain's Limit model (all four static 's Model of Managerial | Contact Hours | | |
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| Unit I II III IIV | All questions of Topics Managerial T Critical evalua Pricing Theor models); Marri Discretion. Factor Pricing Pricing of factor market); Elastit factor shares; M General Equil The Walrasian the partial equil failure: Extern Adverse selector costs, market s Choice Under Inter-temporal Uncertainty in Gambling and uncertainty, R selection. Theory of Gan Extensive form strategies, Nass simultaneous | will carry equal marks. 'heories of Firm tion of marginal analysis; Average Cost Pricin y; Baumol's Sales Revenue Maximization is Model of Managerial Enterprise; Williamson to be a substitution and factor shares; detors of production (modern approach under city of technical substitution – Ricardo, Marx, librium and Market Efficiency approach to general equilibrium; Existence, sta ilibrium; Pareto Optimality; Maximization of alities, Public goods and asymmetric informat tion; The theory of second best; Economics of lignaling. Uncertainty choice in consumption; Economics of Demand Choices, Measuring Risk, Utility The Insurance, Risk aversion and Indifference cu isk pooling and risk spreading, Mean-variance mes ns and normal forms, dominant strategies and th equilibrium, cooperative and non-cooperativ games, applications with oligopoly markets- | ng model; Bain's Limit model (all four static 's Model of Managerial perfect and imperfect Technical progress and Kalecki and Kaldor. bility and uniqueness of social welfare; Market tion; Moral Hazard and of information – search Uncertainty: Risk and eory and Risk Aversion, rves, Reducing risk and e analysis and portfolio elimination of dominant e games, sequential and Cournot, Bertrand and | Contact Hours 15 15 15 15 15 | | |
| Unit I II III IV | All questions of Topics Managerial T Critical evalua Pricing Theor models); Marri Discretion. Factor Pricing Pricing of fac market); Elasti factor shares; M General Equil The Walrasian the partial equi failure: Extern Adverse select costs, market s Choice Under Inter-temporal Uncertainty in Gambling and uncertainty, R selection. Theory of Gan Extensive form strategies, Nass simultaneous Stackelberg. | will carry equal marks. 'heories of Firm tion of marginal analysis; Average Cost Pricin y; Baumol's Sales Revenue Maximization is Model of Managerial Enterprise; Williamson tors of production (modern approach under city of technical substitution and factor shares; Macro theories of distribution – Ricardo, Marx, ibrium and Market Efficiency approach to general equilibrium; Existence, sta ilibrium; Pareto Optimality; Maximization of alities, Public goods and asymmetric informat tion; The theory of second best; Economics of ignaling. Uncertainty choice in consumption; Economics of Demand Choices, Measuring Risk, Utility The Insurance, Risk aversion and Indifference cu isk pooling and risk spreading, Mean-variance mes ns and normal forms, dominant strategies and th equilibrium, cooperative and non-cooperativ games, applications with oligopoly markets- | ng model; Bain's Limit model (all four static 's Model of Managerial perfect and imperfect Technical progress and Kalecki and Kaldor. bility and uniqueness of social welfare; Market tion; Moral Hazard and of information – search Uncertainty: Risk and cory and Risk Aversion, rves, Reducing risk and e analysis and portfolio elimination of dominant e games, sequential and Cournot, Bertrand and | Contact Hours 15 15 15 15 15 | | |
| Unit I II III IV | All questions of Topics Managerial T Critical evalua Pricing Theor models); Marri Discretion. Factor Pricing Pricing of fac market); Elasti factor shares; M General Equil The Walrasian the partial equi failure: Extern Adverse select costs, market s Choice Under Inter-temporal Uncertainty in Gambling and uncertainty, R selection. Theory of Gai Extensive form strategies, Nass simultaneous Stackelberg. | will carry equal marks. 'heories of Firm tion of marginal analysis; Average Cost Pricin y; Baumol's Sales Revenue Maximization is Model of Managerial Enterprise; Williamson g tors of production (modern approach under city of technical substitution and factor shares; Macro theories of distribution – Ricardo, Marx, 1 ibrium and Market Efficiency approach to general equilibrium; Existence, statilibrium; Pareto Optimality; Maximization of alities, Public goods and asymmetric information; the theory of second best; Economics of ignaling. Uncertainty choice in consumption; Economics of Demand Choices, Measuring Risk, Utility The Insurance, Risk aversion and Indifference cu isk pooling and risk spreading, Mean-variance mes ns and normal forms, dominant strategies and on th equilibrium, cooperative and non-cooperative games, applications with oligopoly markets- Total Contact Hours | ng model; Bain's Limit model (all four static 's Model of Managerial perfect and imperfect Technical progress and Kalecki and Kaldor. bility and uniqueness of social welfare; Market tion; Moral Hazard and of information – search Uncertainty: Risk and cory and Risk Aversion, rves, Reducing risk and e analysis and portfolio elimination of dominant e games, sequential and Cournot, Bertrand and | Contact Hours 15 15 15 15 15 60 | | |

259

1

| Suggested Evaluation | on Me | thods | | | |
|---|---------|----------------------------|----------------------------------|--|--|
| Internal Assessment: 30 | | End Term Ex | amination: 70 | | |
| > Theory | 30 | > Theory: | 70 | | |
| Class Participation: | 5 | Written Ex | kamination | | |
| • Seminar/presentation/assignment/quiz/class test etc.: | 10 | | | | |
| • Mid-Term Exam: | 15 | 18 | | | |
| Part-C Learn | ing Re | sources | | | |
| Recommended Books/E-Resources/LMS: | | | | | |
| Koutsoyiannis, A. (1979), Modern Microeconomics (2nd Edition | n),Ma | cmillan Press, London. | | | |
| • Pindyck, R. & Rubinfeld, D. (2018), Microeconomics (9th Edition | on),Pe | arson Education. | | | |
| • Varian, H. (2000), Microeconomic Analysis, W.W. Norton, Ne | w Yor | k. | | | |
| • Bain, J. (1958), Barriers to New Competition, Harvard University | ity Pre | ess, Harvard | | | |
| • Hirshleifer, J. & Glazer, A. (1997), Price Theory and Applicati | ons, P | rentice Hall of India, New | / Delhi. | | |
| • Bronfenbrenner, M. (1979), Income Distribution Theory, Macm | illan, | London. | | | |
| • Da Costa, G.C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi. | | | | | |
| · Boadway, R.W. & Bruce, N. (1984), Welfare Economics, Basil Blackwell, London. | | | | | |
| Graff, J. De V. (1957), Theoretical Welfare Economics, Cambridge University Press, | | | | | |
| • Green, H. & Walsh, V. (1975), Classical and Neo-Classical Theories of General Equilibrium, Oxford University Press, London. | | | | | |
| • Hansen, B. (1970), A Survey of General Equilibrium Systems, McGraw Hill, New York. | | | | | |
| • Quirk, J. & Saposnik, R. (1968), Introduction to General Equilibrium Theory and Welfare Economics, McGraw Hill, New York. | | | | | |
| Weintrub, E.R. (1974), General Equilibrium Theory, Macmillan, London. | | | | | |
| • Borch, K.H. (1968), The Economics of Uncertainty, Princeton | Univer | sity Press, Princeton. | | | |
| · Diamond, P.A. & Rothschild, M. (Eds.). (1978), Uncertainty in | 1 Econ | omics: readings and exer | cises, Academic Press, New York. | | |
| • Gravelle, H. & Rees, R. (2008), Micro Economics, Dorling Kind | lersley | | | | |
| • Jehle, Geoffrey A. & Reny, Philip J. (2008), Advanced Micro I | Econor | nic Theory. Dorling Kinde | ersley. | | |

- 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_camp • aign=mooc.org-topics

| Session: 2024-25 | | | | | |
|--|---|--------------------------------|-----------------------------|--|--|
| Part A – Introduction | | | | | |
| Name of Programme | M.A. Economics | | | | |
| Semester | Second | | | | |
| Name of the Course | Macro Economics | analysis-II | | | |
| Course Code | M24-ECO-202 | | | | |
| Course Type | CC-6 | | 9 | | |
| Level of the course | 40 | 0-499 | | | |
| Pre-requisite for the course (if any) | | n.a. | A | | |
| Course Learning Outcomes (CLO) | CLO 1:Understand money choices: Explore the Theory of Demand for | | | | |
| After completing this course, the learner will be able to: | Money | | | | |
| | CLO 2: Able to learn the theories of money supply and interest rates | | | | |
| 8 | 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 r | eflect on how economic sho | cks affect aggregate | | |
| | economic performa | ince in the short and long ter | m | | |
| | CLO 4:Explain the | components of aggregate ec | conomic activity in an open | | |
| 0.15 | economy framewor | rk | | | |
| Credits | Theory | Practical | Total | | |
| | 4 | 0 | 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 | | |

258

| 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 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. | ж К |
| | SELF STUDY CONTENTS (not relevant for exams): | |
| 11 | 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 Hours | 60 |

| Suggested Ev | aluation Meth | ods | 0 | |
|---|---------------|---------------------|----|--|
| Internal Assessment: 30 | End Te | rm 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-Lear | ning Resourc | 205 | 54 | |

Recommended Books/e-resources/LMS:

- Mankiw, Gregory N. (2003) Macroeconomics, 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: 2024-25 | | | | |
|---|--|--|--|--|
| Part A – Introduction | | | | |
| Name of Programme | M.A. Economics | | | |
| Semester | Second | | | |
| Name of the Course | Statistics for Economists | | | |
| Course Code | M24-ECO-203 | | | |
| Course Type | CC- 7 | | | |
| Level of the course | 400-499 | | | |
| Pre-requisite for the course (if any) | · · · · · | n.a. | | |
| Course Learning Outcomes (CLO) | CLO 1: Analyze va | arious data types and samplin | og techniques proficiently | |
| After completing this course, the learner will be able to: | CLO 1: Analyze various data types and sampling techniques profiles CLO 2: Estimate parameters accurately and construct confidence i effectively. CLO 3: Conduct hypothesis tests confidently using parametric met and understand the Neyman-Pearson Lemma. CLO 4: Choose and apply appropriate nonparametric tests based o characteristics with confidence. | | | |
| | CLO 5: Demonstrat 1-4 through softwar | te the ability to solve the pro re. | blems mentioned in CLO | |
| | Theory | Practical | Total | |
| 0 9 | 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- | | | | |
| Instructions for Paper- Setter: The examiner will set 9 question by taking course learning outcomes (CLOs) into 0 least 4 parts covering entire syllabus. The examinee will b and the compulsory question. All questions will carry equal | 9 questions asking consideration. The c e required to attemp marks. | two questions from each u compulsory question (Questi ot 5 questions; selecting one | nit and one compulsory on No. 1) will consist at question from each unit | |
| Unit To | pics | | Contact Hours | |
| I Understanding Data and Sampling Techniques Types of data and statistical analysis procedures: univariate, bivariate and multivariate (only overview); Census and Sampling, Basic concepts of sampling, Techniques of Sampling: Probability and Non Probability Sampling. Errors Associated with Sampling : Sampling and Non- Sampling Errors; Types and potential causes. Sample Size, Approaches to Sample size determination : Precision Rate and confidence interval Self Study Contents (not relevant for exams): Measures of central tendency, dispersion, correlation and Regression Analysis. | | | 11 | |
| Estimation Methods and Interval Estimation Estimation: Concept of an estimator and its sampling distribution, Desirable properties of a good point estimator. Point Estimation Methods: Least Squares Estimation (LSE), Maximum Likelihood Estimation (MLE), Method of Moments (MOM). Interval Estimation: Confidence Intervals; Factors affecting the width of confidence intervals. Self Study Contents (not relevant for exams): Regression Analysis, Probability theory and Probability distributions | | | 11 | |
| III Hypothesis Testing and Parametric Tests Introduction to Hypothesis Testing: Basic Comand Type II Errors, Significance Level and I hypothesis testing, Neyman-Pearson Lemma. and ANOVA IV Nonparametric Tests | cepts, Null and Alt P-Values, Critical Common parametri | ernative Hypotheses, Type I Regions, Steps involved in c Tests: Z-test, t-test, F-test | 11 | |

Introduction to non-parametric tests and their advantages. Common Non-Parametric Tests: Chi Square test, Mann-Whitney U test, Wilcoxon signed-rank test, Kruskal-Wallis test, Friedman Test and Kendall's Tau Test. Choosing between parametric and non-parametric

267

Chairman, Department of Economies Kurukshetra University,

11

| | tests based on data characteristics. | | | | |
|---------|---|-------------|---|-----------|-------------------------------|
| V | Practicals: 1. Students will prepare a Practical file containing 4 P 2. Practical may be done using the software chosen by 3. The external examiner shall take the written examt 4. Syllabus contains all the contents mentioned in the | 30 | | | |
| | Total Contact Hours | | | | 75 |
| | Suggested Eva | aluation Me | ethods | | |
| | Internal Assessment: 30 End Term E | | Examination: 70 | | |
| > Th | ieory | 20 | 20 > Theory: 50 | | 50 |
| • Class | s Participation: | 5 | Written Examination | | n Examination |
| • Semi | nar/presentation/assignment/quiz/class test etc.: | 5 | | | |
| • Mid- | Term Exam: | 10 | | | |
| > Pr | actical | 10 | A | Practical | 20 |
| • Class | s Participation: | 5 | 5 Lab record, Viva-Voce, write-up and execution | | write-up and execution of the |
| • Semi | • Seminar/Demonstration/Viva-voce/Lab records etc.: | | Practical | | ractical |
| • Mid- | Term Exam: | - | - | | |
| | Part C-Lear | ning Resou | irces | | a |

Recommended Books/E-Resources/LMS:

- Anderson, David R., Sweeney, Dennis J. & Williams, Thomas A. (2014). Essentials of Statistics for Business and Economics. South-Western Cengage Learning, USA.
- Barrow, M. (2017). Statistics for Economics, Accounting and Business Studies. Pearson Education.
- Casella, G., & Berger, R. L. (2002). Statistical inference (2nd ed.). Duxbury Press.
- Croxton, F. E., Cowden, D. & Kliein, S. (1951). Applied General Statistics. Prentice Hall, New Delhi.
- Cumming, G. (2009). The new statistics: Why and how. Psychology Press.
- Denis, Daniel J. (2018).SPSS Data Analysis for Univariate, Bivariate, and Multivariate Statistics. John Wiley & Sons Inc., USA.
- Hair, J. F., Black, W. C., Babin, B. J., & Anderson, R. E. (2019). Multivariate data analysis (8th ed.). Pearson Education.
- Hair, J. F., Black, W. C., Babin, B. J., & Anderson, R. E. (2019). Multivariate data analysis (8th ed.). Pearson Education Limited.
- Hamilton, J. D. (1994). Time series analysis. Princeton University Press.
- Karmal, P.H. & Polasek, M. (1978). Applied Statistics for Economists. Pitman, Australia.
- Lehmann, E. L., & Romano, J. P. (2005). Testing statistical hypotheses (3rd ed.). Springer Science & Business Media.
- Levine, D. M., Stephan, D. G., & Krehbiel, T. C. (2014). Statistics for social data analysis (5th ed.). Pearson Education.
- McLachlan, G., & Peel, D. (2000). Finite mixture models. Wiley.
- Mittelhammer, R. C. (2012). Mathematical Statistics for Economics and Business. Springer-Verlag New York, Inc.
- Montgomery, D. C., & Runger, D. C. (2010). Applied statistics and probability for engineers and scientists (5th ed.). Wiley.
- Naghshpour, S. (2012). Statistics for Economics. Business Expert Press.
- Shao, J. (2003). Mathematical statistics (2nd ed.). Springer Science+Business Media.
- Sharma, J.K. (2012). Business Statistics. Dorling Kindersley (India) Pvt. Ltd., New Delhi
- Sharma, J.K. (2012). Business Statistics. Dorling Kindersley (India) Pvt. Ltd., New Delhi.
- Speigal, M. R. (1972). Theory and Problems of Statistics. McGraw Hill Book, London

Department of Economics Kurukshetra University, KURUKSHETRA-136119.

| Part A - Introduction Name of Programme M.A. Economics Semester Data Analytics for Economists II Course Code M24-ECO-204 Course Code M24-ECO-204 Course Code M24-ECO-204 Course Code M24-ECO-204 Course Coarting Gutcomes (CO) CLO 1: Understand, apply and solve the problems on univariate and bivariate data basides hypothesis testing in a software. CLO 2: Understand and compute viscous regressions in a software. CLO 3: Understand and compute the problems of Aurare. CLO 3: Understand and compute viscous regressions in a software. CLO 4: Understand and compute viscous regressions in a software. Credits Theory Partical Total 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 Examinet will set 9 questions asking two questions from each unit and one compulsory question (Ouscin No. 1) will consist at each approximation. The compulsory question (Ouscin No. 1) will consist at each approximation. The compulsory question No. 1) will consist at each approximate the ability to solve the content winit and one comp | | 1 | Session: 2024-25 | | | |
|--|--|---|--|--|---|---|
| Name of Programme M.A. Economics Semester SECOND Name of the Course Data Analytics for Economists II Course Code M24-ECO-204 Course Code CC-8 Level of the course (if any) n.a. Course Code CLO 1: Understand, apply and solve the problems on univariate and bivariate data basides hypothesis testing in a software. CLO 2: Understand and compute future value, present value and financial ratios using a software. CLO 4: Understand and compute future value, present value and financial ratios using a software. Credits Theory Practical Total Teaching Hours per week 3 2 5 Internal Assessment Marks 50 20 10 30 Ead Term Exam Marks 50 20 70 Mas. Marks Start parts covering entire syltabus. The examiner will set 9 questions aking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question No. 1) will consist at parts covering entire | | Par | rt A - Introduction | | | |
| Semester SECOND Name of the Course Data Analytics for Economists II Course Code M24-ECO-204 Course Type CC-8 Level of the course 400-499 Pre-requisite for the course (if any) n.a. Course Learning Outcomes (CLO) CLO 1: Understand, apply and solve the problems on univariate and bivariate data besides hypothesis testing in a software. Clo 3: Understand and compute trainous regressions in a software. CLO 1: Understand and compute trainous regressions in a software. Credits Theory Practical Total Teaching Hours per week 3 1 4 Teaching Hours per week 3 2 5 Internal Assessment Marks 20 10 30 End Term Exam Marks 50 20 70 Max the course questions of the Course Internal Assessment Marks 9 3 hours Examiner will set 9 questions sking two questions from each unit and one compulsory question by taking course learning nutcomes (CLO) into consideration. The compulsory question Question No. 1) will consist at east 4 parts covering entir syllabus. The examiner will be required to attempt 5 questions gathere. 11 Internal Assess | Name of P | rogramme | M.A. Economics | | | |
| Name of the Course Data Analytics for Economists II Course Code M24-ECO-304 Course Code M24-ECO-304 Course Code M24-ECO-304 Course Code M24-ECO-304 Pre-requisite for the course (if any) n.a. Course Code CC.8 Course Code CC.8 Course Code CC.9 Chard Code M24-ECO-304 Course Code CC.0 Course Code CC.0 Course Code CC.0 Chard Code CC.0 Course Code CC.0 Chard Code CLO 1: Understand and compute future value, present value and financial ratios using a software. Close Theory Practical Theory Practical Total Teaching Hours per week 3 1 4 Teaching Hours per week 3 0 100 30 End Term Exam Marks 20 10 30 100 Examination Time Part B-Contents of the Course Inareretains for Eao-regrame future value, present value a | Semester | | SECOND | | | |
| Course Type CC-8 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, apply and solve the problems on univariate and bivariate data data documpute the problems of Autocorrelation, Multicollinearity and hetrosokasticity using a software. CLO 2: Understand and compute the problems of Autocorrelation, Multicollinearity and hetrosokasticity using a software. Credits Theory Practical Credits Theory Practical Total 3 1 4 Teaching Hours per week 3 2 5 Internal Assessment Marks 20 10 30 Examination Time 3 hours 3 1 Part B-Contents of the Course 3 hours 1000 Examinetro Time 3 hours 3 1000 Examinetion Time 9 questions sking two questions from each unit and one compulsory question. All questions will carry equal marks. 1000 Unit Tore examiner will set 9 questions asing two questions from each unit and one compulsory question All questions will carry equal marks. 1000 <td>Name of t</td> <td>he Course</td> <td>Data Analytics for 1</td> <td>Economists II</td> <td></td> | Name of t | he Course | Data Analytics for 1 | Economists II | | |
| Course Type CC-8 Level of the course 400-499 Pre-requisite for the course (if any) n.a. Course Learning Outcomes (CLO) CLO 1: Understand, apply and solve the problems on univariate and bivariate data basides hypothesis testing in a software. CLO 3: Understand and compute various regressions in a software. CLO 4: Understand and compute the problems of Autocorrelation, Multicollinearity and heteroskedasticity using a software. CLO 4: Understand and compute future value, present value and financial ratios using a software. CLO 5: Demonstrate the ability to solve the contents using a software. CLO 6: Demonstrate the ability to solve the contents using a software. CLO 6: Demonstrate the ability to solve the contents using a software. Credits Theory Traching Hours per week 3 1 1 Teaching Hours per week 3 20 10 30 100 Examination Time 3 hours Part B-Contents of the Course Instructions for Paper- Setter: The examine will be required to attempt 5 questions, selecting one question for each unit and the compulsory question of Mark NovA 1 1. Interval estimation 1 1. Interval estimation 2 1 1 1. Interval estimation 2 5. Construction of findex. Numbers - Deflating a Series | Course Co | ode | M24-ECO-204 | | | |
| Levet of the course 400-499 Pre-requisite for the course (if any) n.a. Course Learning Outcomes (CLO) n.a. After completing this course, the learner will be able to: Cl.O 1: Understand, apply and solve the problems on univariate and bivariate data basides hypothesis testing in a software. CLO 2: Understand and compute the problems of Autocorrelation, Multicollinearilly and heteroskedasticity using a software. Credits Theory Practical Total Teaching Hours per week 3 1 4 Teaching Hours per week 3 2 5 Internal Assessment Marks 20 100 30 Ead Tem Exam Marks 50 20 10 3 1 4 3 1 40 3 1 1 40 3 2 5 50 1 100 3 3 1 40 2 5 Internal Assessment Marks 50 20 70 Max Marks 70 3 100 Exam Inter will be able will be constent the ablifty to solve the contents and the compulsory question (Questions No. 1) will estination (Qu | Course Ty | pe | CC-8 | | | |
| Inter-equation of the course (ILEN) Intervention of the course (ILEN) After completing this course, the learner will be able to: Intervention of the completing this course, the learner will be able to: Course Learning outcomes (ILEN) Intervention of the completing this course, the learner will be able to: Clo 2: Understand and compute various regressions in a software. CLO 3: Understand and compute various regressions in a software. Credits Theory Practical Total Teaching Hours per week 3 1 1 Teaching Hours per week 3 2 5 Internal Assessment Marks 20 100 30 End Term Exam Marks 50 20 10 3 100 Examination Time 3 hours Part B-Contents of the Course Instructions for Paper- Setter: The examiner will set 9 questions aking two questions, selecting one question from each unit and one compulsory question by taking course learning outcomes (ICLOs) into consideration. The compulsory question (Question No. 1) will consist at least 4 parts course, regression in the will be required to attempt 5 questions, selecting one question from each unit and the compulsory question of Index Numbers - Deflating a Series by Price Indexes 1 <t< td=""><td>Level of t</td><td>he course</td><td colspan="3">400-499</td></t<> | Level of t | he course | 400-499 | | | |
| Credits CLO 1: Onderstand and compute various regressions in a software. CLO 2: Understand and compute various regressions in a software. CLO 2: Understand and compute future value, present value and financial ratios using a software. Credits Theory Practical Credits Theory Practical Constructions for Paper-Setter: The computer future value, present value and financial ratios using a software. Credits Theory Practical Internal Assessment Marks 20 10 20 10 30 Examination Time 3 hours 3 hours Part B-Contents of the Course 3 hours 100 Examination Time 10 usits at hours 100 Part B-Contents of the Course 11 1 Interval esting ourse learning outcomes (CLOs) in consideration. The compulsory question by taking course learning outcomes (CLOs) in consideration. The compulsory question from each unit and one compulsory question by taking course learning outcomes (CLOs) in consideration. The compulsory question from each unit and one compulsory question of index Numbers - Deflating a Series by Price Indexes 11 1 1. Interval esting using error esting using error esting. 11 2 1. Or problem of Autocorrelation 11 3 | Course Le | earning Outcomes (CLO) | n.a. | and apply and calve the mehl | lomo on univerinte ou d | |
| Credits Theory Practical Total Theory Practical Total Theory Practical Total Theory Practical Total Total Theory Practical Total Total <td colsp<="" td=""><td colspan="2">Course Learning Outcomes (CLO) After completing this course, the learner will be able to:</td><td>CLO 1: Understa bivariate d CLO 2: Understa CLO 3: Understa Multicollin CLO 4: Understa financial ra</td><td>and, apply and solve the problem lata besides hypothesis testing and and compute various regr and and compute the problem nearilty and heteroskedasticit and and compute future value atios using a software.</td><td>g in a software. essions in a software. is of Autocorrelation, y using a software. e, present value and</td></td> | <td colspan="2">Course Learning Outcomes (CLO) After completing this course, the learner will be able to:</td> <td>CLO 1: Understa bivariate d CLO 2: Understa CLO 3: Understa Multicollin CLO 4: Understa financial ra</td> <td>and, apply and solve the problem lata besides hypothesis testing and and compute various regr and and compute the problem nearilty and heteroskedasticit and and compute future value atios using a software.</td> <td>g in a software. essions in a software. is of Autocorrelation, y using a software. e, present value and</td> | Course Learning Outcomes (CLO) After completing this course, the learner will be able to: | | CLO 1: Understa bivariate d CLO 2: Understa CLO 3: Understa Multicollin CLO 4: Understa financial ra | and, apply and solve the problem lata besides hypothesis testing and and compute various regr and and compute the problem nearilty and heteroskedasticit and and compute future value atios using a software. | g in a software. essions in a software. is of Autocorrelation, y using a software. e, present value and |
| Credits Theory Practical Total I 3 1 4 3 2 5 Internal Assessment Marks 20 10 30 End Term Exam Marks 20 10 30 Examination Time 3 hours 3 100 Examination Time 3 hours 100 100 Examination Time 3 hours 100 100 Examination Time 3 hours 100 100 Examination Time 1 hours 100 100 Instructions for Paper- Setter: The examine will set 9 questions asking two questions from each unit and one compulsory question No. 1) will consist at east 4 parts covering entire syllabus. The examinee vill be required to attempt 5 questions, selecting one question from each unit and the compulsory question All questions will carry equal marks. 11 Unit 1 1. Interval estimation 11 2. Hypothesis testing – one sample and two samples t test, Wilcoxon signed-Rank test, Man – Whitney U test, ANOVA 11 3. Construction of Index Numbers - Deflating | | | CLO 5: Demonst | trate the ability to solve the co | ontents using a software. | |
| 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 vaminee 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 1 1. Interval estimation 11 2. Hypothesis testing – one sample and two samples t test, Wilcoxon signed- Rank test, Mann – Whiney U test, ANOVA 11 3. Construction of Index Numbers - Deflating a Series by Price Indexes 11 4. Time Series Analysis and Forecasting. 11 5. Regression analysis, F-VIEWS, STATA 11 6. Panel data Analysis 11 6. Panel data Analysis 11 9. The problem of Autocorrelation 11 10. The problem of Autocorrelation 11 11 9. The problem of Autocorrelation | Credits | | Theory | Practical | Total | |
| 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 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 1 1. Interval estimation 11 2. Hypothesis testing – one sample and two samples t test, Wilcoxon signed-Rank test, Mann – Whitney U test, ANOVA 3. Construction of Index Numbers - Deflating a Series by Price Indexes 4. Time Series Analysis and Forecasting. 11 5. Regression analysis - multiple 11 6. Panel data Analysis 11 7. Logistic Regression 11 8. Economic Forecasting Using Regression 11 9. The problem of Autocorrelation 11 10. The problem of Multicollinearilty 11 11. The problem of Multicollinearilty 11 12. Exconduct Forecasting using ARIMAA Modelling – Box Jen | | | 3 | 1 | 4 | |
| Internal Assessment Marks 20 10 30 End Term Exam Marks 50 20 70 Max. Marks 70 30 100 Examination Time 3 hours 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 for Paper Setter: The examinee will be required to attempt 5 questions, selecting one question from each unit and one compulsory question on the compulsory question. All questions will carry equal marks. Unit Topics Contact Hours 1 1. Interval estimation 11 2. Hypothesis testing – one sample and two samples t test, Wilcoxon signed-Rank test, Mann – Whitney U test, ANOVA 3. Construction of Index Numbers - Deflating a Series by Price Indexes 4. Time Series Analysis and Forecasting. SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA 11 11 5. Regression analysis – multiple 11 11 6. Panel data Analysis 11 11 9. The problem of Autocorrelation 11 11 10. The problem of Autocorrelation 11 11 11 9. The problem of Autocorrelation 11 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel function | Teaching | Hours per week | 3 | 2 | 5 | |
| End Term Exam Marks 50 20 70 Max, Marks 70 30 100 Examination Time 3 hours 3 hours 100 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 1 1. Interval estimation 11 2. Hypothesis testing – one sample and two samples t test, Wilcoxon signed- Rank test, Mann – Whitney U test, ANOVA 3. Construction of Index Numbers - Deflating a Series by Price Indexes 4. Time Series Analysis and Forecasting. 11 SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA 11 5. Regression analysis – multiple 11 6. Panel data Analysis 11 7. Logistic Regression 8. Economic Forecasting Using Regression 8. Economic Forecasting Using Regression 11 10. The problem of Autocorrelation 11 10 | Internal A | ssessment Marks | 20 | 10 | 30 | |
| Max. Marks 70 30 100 Examination Time 3 hours 3 hours 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. Contact Hours Unit Topics Contact Hours I 1. Interval estimation 11 2. Hypothesis testing – one sample and two samples t test, Wilcoxon signed- Rank test, Mann – Whitney U test, ANOVA 3. Construction of Index Numbers - Deflating a Series by Price Indexes 11 3. Construction of Index Numbers - Deflating a Series by Price Indexes 11 11 6. Panel data Analysis – multiple 11 11 6. Partel data Analysis 11 11 9. The problem of Autocorrelation 11 11 10. The problem of Autocorrelation 11 11 11. The problem of Multicollincarilty 11 11 11. Th | End Term | Exam Marks | 50 | 20 | 70 | |
| 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 1 1. Interval estimation 11 2. Hypothesis testing – one sample and two samples t test, Wilcoxon signed- Rank test, Mann – Whitney U test, ANOVA 10 3. Construction of Index Numbers - Deflating a Series by Price Indexes 11 4. Time Series Analysis and Forecasting. 11 5. Regression analysis - multiple 11 6. Panel data Analysis 11 7. Logistic Regression 8. Economic Forecasting Using Regression 8. Economic Forecasting Using Regression 11 9. The problem of Autocorrelation 11 10. The problem of Muticollinearilty 11 11. The problem of Muticollinearilty 11 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS | Max. Mar | ks | 70 | 30 | 100 | |
| 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 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 1 1. Interval estimation 11 2. Hypothesis testing – one sample and two samples t test, Wilcoxon signed- Rank test, Mann – Whitney U test, ANOVA 3. Construction of Index Numbers - Deflating a Series by Price Indexes 1 3. Construction of Index Numbers - Deflating a Series by Price Indexes 11 11 6. Panel data Analysis and Forecasting. 11 11 6. Panel data Analysis 11 11 6. Panel data Analysis 11 11 7. Logistic Regression 8. Economic Forecasting Using Regression 11 8. Economic Forecasting Using Regression 11 11 9. The problem of Autocorrelation 11 11 10. The problem of Multicollinearilty 11 11 11. The problem of Multicollinearilty 11 | Examinati | ion Time | 3 hours | 3 hours | 5 | |
| 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 1 1. Interval estimation 11 2. Hypothesis testing – one sample and two samples t test, Wilcoxon signed- Rank test, Mann – Whitney U test, ANOVA 11 3. Construction of Index Numbers - Deflating a Series by Price Indexes 11 4. Time Series Analysis and Forecasting. 11 5. Regression analysis – multiple 11 6. Panel data Analysis 11 7. Logistic Regression 8. Economic Forecasting Using Regression 8. Economic Forecasting Using Regression 11 9. The problem of Autocorrelation 11 10. The problem of Autocorrelation 11 11. The problem of Multicollinearilty 11 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA 111 9. The problem of Multicollinearilty 11 12. Economic | | Part B | -Contents of the C | ourse | | |
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| 2. Hypothesis testing – one sample and two samples t test, Wilcoxon signed- Rank test, Mann – Whitney U test, ANOVA 3. Construction of Index Numbers - Deflating a Series by Price Indexes 4. Time Series Analysis and Forecasting. SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA II 5. Regression analysis – multiple 6. Panel data Analysis 7. Logistic Regression 8. Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA III 9. The problem of Autocorrelation 11. 10. The problem of Multicollinearility 11. The problem of heteroskedasticity 11 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA 11 10. The problem of heteroskedasticity 11. The problem of netroskedasticity 11 11. The problem of neteroskedasticity 12 12 13. Financial Statement Ratio Analysis | I | 1. Interval estimation | | | 11 | |
| 3. Construction of Index Numbers - Deflating a Series by Price Indexes 4. Time Series Analysis and Forecasting. SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA II 5. Regression analysis - multiple 6. Panel data Analysis 7. Logistic Regression 8. Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA III 9. The problem of Autocorrelation 11. 10. The problem of Autocorrelation 11. 11. 10. The problem of Multicollinearility 11. The problem of heteroskedasticity 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA IV 13. Financial Statement Ratio Analysis | | 2. Hypothesis testing – one sample and Mann – Whitney U test, ANOVA | two samples t test, V | Wilcoxon signed- Rank test, | | |
| 4. Time Series Analysis and Forecasting. SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA II 5. Regression analysis - multiple 6. Panel data Analysis 7. Logistic Regression 8. Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA III 9. The problem of Autocorrelation 11. 10. The problem of Autocorrelation 11. The problem of heteroskedasticity 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA 11 12 | | 3. Construction of Index Numbers - Defla | ating a Series by Pric | e Indexes | | |
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| 7. Logistic Regression 8. Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA III 9. The problem of Autocorrelation 10. The problem of Multicollinearilty 11 11. The problem of heteroskedasticity 12 SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA 12 IV 13. Financial Statement Ratio Analysis 12 | II | Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA Regression analysis – multiple | exams): | | 11 | |
| 8. Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA III 9. The problem of Autocorrelation 10. The problem of Multicollinearilty 11. The problem of heteroskedasticity 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA IV 13. Financial Statement Ratio Analysis | II | Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA Regression analysis – multiple Panel data Analysis | exams): | | 11 | |
| SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA III 9. The problem of Autocorrelation 10. The problem of Multicollinearilty 11. The problem of heteroskedasticity 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA IV 13. Financial Statement Ratio Analysis | П | Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA Regression analysis – multiple Panel data Analysis Logistic Regression | exams): | | 11 | |
| Excel functions, SPSS, E-VIEWS, STATA III 9. The problem of Autocorrelation 11 10. The problem of Multicollinearilty 11 11. The problem of heteroskedasticity 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA IV 13. Financial Statement Ratio Analysis 12 | П | Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA Regression analysis – multiple Panel data Analysis Logistic Regression Economic Forecasting Using Regression | exams): on | | 11 | |
| III 9. The problem of Autocorrelation 11 10. The problem of Multicollinearilty 11. The problem of heteroskedasticity 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA IV 13. Financial Statement Ratio Analysis 12 | II | Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA Regression analysis – multiple Panel data Analysis Logistic Regression Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for e | exams): on exams): | | 11 | |
| 10. The problem of Multicollinearilty 11. The problem of heteroskedasticity 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA IV 13. Financial Statement Ratio Analysis | II | Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA Regression analysis – multiple Panel data Analysis Logistic Regression Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA | exams): on exams): | | 11 | |
| 11. The problem of heteroskedasticity 12. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA IV 13. Financial Statement Ratio Analysis | II | Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA Regression analysis – multiple Panel data Analysis Logistic Regression Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA The problem of Autocorrelation | exams): on exams): | | 11 | |
| I2. Economic Forecasting using ARIMA Modelling – Box Jenkins, ACF, PACF SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA IV 13. Financial Statement Ratio Analysis | II | Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA Regression analysis – multiple Panel data Analysis Logistic Regression Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA The problem of Autocorrelation The problem of Multicollinearilty | exams): on exams): | | 11 | |
| SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA IV 13. Financial Statement Ratio Analysis | II | Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA Regression analysis – multiple Panel data Analysis Logistic Regression Economic Forecasting Using Regression Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA The problem of Autocorrelation The problem of Multicollinearilty The problem of heteroskedasticity | exams): on exams): | | 11 | |
| IV 13. Financial Statement Ratio Analysis 12 | II | Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA Regression analysis – multiple Panel data Analysis Logistic Regression Economic Forecasting Using Regression Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA The problem of Autocorrelation The problem of Multicollinearilty The problem of heteroskedasticity Economic Forecasting using ARIMA I | exams): on exams): Modelling – Box Jen | kins, ACF, PACF | 11 | |
| | II | 4. Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA 5. Regression analysis – multiple 6. Panel data Analysis 7. Logistic Regression 8. Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA 9. The problem of Autocorrelation 10. The problem of Multicollinearilty 11. The problem of heteroskedasticity 12. Economic Forecasting using ARIMA I SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA | exams): on exams): Modelling – Box Jen exams): | kins, ACF, PACF | 11 | |
| | III | Time Series Analysis and Forecasting SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA Regression analysis – multiple Panel data Analysis Logistic Regression Economic Forecasting Using Regression Economic Forecasting Using Regression SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA The problem of Autocorrelation The problem of Multicollinearilty The problem of heteroskedasticity Economic Forecasting using ARIMA I SELF STUDY CONTENTS (not relevant for e Excel functions, SPSS, E-VIEWS, STATA | exams): on exams): Modelling – Box Jen exams): | kins, ACF, PACF | 11 | |

Chailman, Department of Economics Kurukshetra University, KURUKSHETRA-136119.

| 15 | 14. Common Sized Financial Statements and DuF | Pont Analysis | 3 | | |
|-------------------------------------|---|----------------|---------------------------|-------------------------------|--|
| | 15. Future Value Lump Sum Calculations, Simple & Compound Interest; Present Value | | | | |
| | Lump Sum Calculations and PV Function; Future Value For Lender Or Borrower | | | | |
| | 16. Asset Valuation Using Discounted Cash Flow | Analysis an | d PV Function | | |
| | SELF STUDY CONTENTS (not relevant for exams): | | | | |
| | Excel functions, SPSS, E-VIEWS, STATA | | | | |
| V | Practicals: | | | 30 | |
| | 1. Students will prepare a Practical file containing 4 P | racticals from | n each unit. | | |
| | 2. Practical may be done using the software chosen by | y the teacher. | 6 14 | | |
| | 3. The external examiner shall take the written exam f | followed by v | viva voce. | 16 | |
| | 4. Syllabus contains all the contents mentioned in the | four units. | - | | |
| | Total Contact Hours | | | 75 | |
| | Suggested Eva | aluation Me | thods | | |
| Internal Assessment: 30 End Term Ex | | xamination: 70 | | | |
| > Theory | | 20 | > Theory: | 50 | |
| Class F | Class Participation: 5 Written Ex. | | | camination | |
| • Semina | ar/presentation/assignment/quiz/class test etc.: | 5 | | | |
| • Mid-Te | erm Exam: | 10 | 3 | | |
| > Prac | etical | 10 | > Practical | 20 | |
| • Class F | Participation: | 5 | Lab record, Viva-Voce, v | write-up and execution of the | |
| • Semina | ar/Demonstration/Viva-voce/Lab records etc.: | 5 | Pr | actical | |
| • Mid-Te | erm Exam: | - | | | |
| | Part C-Lear | ning Resou | rces | | |
| Recomme | ended Books/e-resources/LMS: | | | | |
| Gary K | Coop: Analysis of economic data, John Wiley & Sons, 2 | 2005 | | | |
| Thoma | s Cleff: Applied Statistics and Multivariate Data Analy | ysis for Busin | ness and Economics: A M | odern Approach Using SPSS, | |
| Stata, a | and Excel, Springer | | | | |
| Kurt J | echlitschka, Dieter Kirschke and Gerald Schwarz: N | Microeconom | ics using Excel: Integrat | ing economic theory, policy | |
| analysi Shmua | Shmuel Olywa: Hande On Financial Modeling with Excel for Microsoft 365 Packt Publishing | | | | |

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: 2024-25 | | | | |
|--|--|--|--|--|
| Part A – Introduction | | | | |
| Name of Programme | M.A. Economics | | | |
| Semester | Second | | | |
| Name of the Course | Demography | | | |
| Course Code | M24-ECO-205 | | | |
| Course Type | DEC-2 | | | |
| Level of the course | 400-499 | | | |
| Pre-requisite for the course (if any) | n.a. | | | |
| Course Learning Outcomes (CLO) | CLO 1: Draw on demographic concepts and population theories to | | | |
| After completing this course, the learner will be able | explain past and present population characteristics. | | | |
| to: | CLO 2: Analyze the world population growth and trends and distinguish between the populations patterns of developed and less developed countries CLO 3: Understand and analyze various demographic issues in India. CLO 4: Understand how to use empirical evidence to evaluate an economic argument. | | | |

2

265

| Credits | Theory | Tutorial | Total |
|---------------------------|--------------------|---------------|-------|
| | 4 | 0 | 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 | 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 | | |
|--|---|--------|------------------------------|---------------|--|--|
| Ι | Fundamentals of Demographic Analysis | | | 15 | | |
| | Definition, Nature and Scope of Demography, | | | | | |
| | Fundamentals of Demographic Analysis, | Po | pulation and Economic | | | |
| | Development, Human Development of Po | pulati | on , Growth of World | | | |
| | Population World population policies and prog | rams. | | | | |
| TT | | | | | | |
| 11 | Consequences of Population Size, Growth and Struct | ture | | 15 | | |
| | Maitnusian theory Population Growth and Den | nogra | phic Transition, Optimum | | | |
| | Population theory, Theory of Demographic | tran | isition, Population aging: | | | |
| | Bomulation of an angine of technological C | nang | e and Population Growth ; | a | | |
| TIT | The Courses of Domination Change | e, Po | pulation and Environment. | 15 | | |
| 111 | Family Units and marriage: fartility appear of fartility of | honge | Monourout of fortility | 15 | | |
| | family differentials in India migration sources and migration | nange | e, Measurement of fertility, | | | |
| | Mortality Measurement and Mortality differentials in It | ration | consequences, Health and | | | |
| IV | Population and Economic Development | 15 | | | | |
| 1 V | Census in India Methodology and Characteristics: Natu | re of | information collected with | 15 | | |
| | emphasis on 2011 census National Family Health | Surv | avobjectives and various | | | |
| | rounds. Sample surveys in India Civil Registration s | vstem | Demographic features of | | | |
| | Indian Population, Population Policies of India. | ystem | Demographic reatures of | | | |
| Total Cont | act hours | | | 60 | | |
| Suggested | Evaluation Methods | | 87 | | | |
| Internal As | 70 | | | | | |
| > Theo | ory | 30 | > Theory: | 70 | | |
| • Class P | articipation: | 5 | Written Examination | | | |
| • Seminar/presentation/assignment/quiz/class test etc.: 10 | | | | | | |
| • Mid-Te | erm Exam: | 15 | 1 | | | |
| 0.0 | Part C-Learning Resources | | | | | |

Recommended Books/e-resources/LMS:

Bouge, D.J. (1971). Principles of Demography, John Wiley, New York.

265

Chairman, Department of Economics Kurukshetra University, VIDINCHETRA-136119

Angus Deaton (2003). Health, Inequality, and Economic Development, Journal of Economic Literature, 61, 113-158. https://www.princeton.edu/~deaton/downloads/Health_Inequality_and_Economic_Development.pdf

Angus Deaton (2006). The Great Escape: A Review of Robert Fogel's The Escape from Hunger and Premature Death, 1700-2100," 106-114. Journal of Economic Literature 64: https://www.princeton.edu/~deaton/downloads/deaton_great_escape_on_fogel_jel2006.pdf

Claudia Goldin (2006) "The Quiet Revolution That Transformed Women's Employment, Education, and Family" American Economic Review 96(2):1-21. http://www.jstor.org/stable/30034606 (http://www.jstor.org/stable/30034606)

Claudia Goldin (2014). A Grand Gender Convergence: Its Last Chapter, American Economic Review 104(4): 1091-1119. http://scholar.harvard.edu/files/goldin/files/goldin_aeapress_2014_1.pdf

David Lam (2011). How the World Survived the Population Bomb: Lessons From 50 Years of Extraordinary Demographic History, Demography 48(4): 1231-1262. (http://link.springer.com/article/10.1007/s13524-011-0070-z)

Gary Becker, The Evolution of the Family," Chapter 11 of Gary Becker, A Treatise On The Family (Harvard University Press, 1981) pp. 237-256.

- Harper, S. (2018). Demography: A Very Short Introduction, Cambridge University Press. .
- Majumdar, P.K. (2010). Fundamentals of Demography, Rawat Publication.
- Pathak, K.B. & Ram, F. (2016). Techniques of Demographic Analysis, Himalaya Publishing House.
- Samuel Preston (1975), The Changing Relation between Mortality and Level of Economic Development, Population Studies . 29(2): 231-248.http://www.jstor.org/stable/2173509
- Weinstein, J. & Pillai, V.K. (2015). Demography: The Science of Population, Rowman & Littlefield Publications.
- Weinstein, J. & Pillai, V.K. (2015). Demography: The Science of Population, Rowman & Littlefield Publications.

| Session: 2024-25 | | | | | |
|---|---|---|--|----------------------------|--|
| | Part | t A – Introduction | l | | |
| Name of Pr | rogramme | M.A. Economics | 1 | | 51 |
| Semester | 2 | Second | | | |
| Name of th | he Course | Political Economy | of Development | | |
| Course Co | Course Code M24-ECO-206 | | | | |
| Course Type DEC-2 | | | | | |
| Level of th | ne course | 400-499 | | | |
| Pre-requis | ite for the course (if any) | | n.a. | | |
| Course Le After comp to: | arning Outcomes (CLO) bleting this course, the learner will be able | CLO 1: To understand the laws of dialectics and modes of production. CLO 2: To understand the basic tenets of Marxian political economy. | | | modes of n political Imperialism. |
| | | CLO 4: To und | lerstand the role of planning | , and n | narket |
| Cardita | | Theory | Practical | | Total |
| Credits | | Ineory | O | | A |
| | | 4 | 1 | | 4 |
| Teaching | Hours per week | 3 | 1 | | 4 |
| Internal Assessment Marks 30 0 30 | | | | 30 | |
| End Term Exam Marks 70 0 70 | | | 70 | | |
| Max. Marks 100 0 100 | | | 100 | | |
| Examinati | on Time | 3 hours | | | |
| | Part B- | Contents of the C | ourse | | |
| Instruction compulsory No. 1) will one questio | is for Paper- Setter: The examiner will question by taking course learning outcom consist at least 4 parts covering entire syllal n from each unit and the compulsory question | set 9 questions nes (CLOs) into co ous. The examinee on. All questions w | asking two questions from insideration. The compulsor will be required to attempt rill carry equal marks. | n each ry que 5 ques | n unit and one stion (Question stions, selecting |
| Unit | | Topics | | | Contact Hours |
| I Introduction to Political Economy; Idealism and materialism; Metaphysics and dialectics; 15 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. 15 | | | | 15 | |
| 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. | | | | 15 | |
| 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. | | | | | 15 |
| IV | Transition to Socialism; Transition period; Planning; Market mechanism; Distribution | Problems and polic of income and wag | cies; Nature of state; Role of ges; and Strategies for third | f | 15 |

A

267

| irs | | | 60 |
|-------------|---|--|---|
| luation Met | hods | | |
| | | End Term H | Examination: 70 |
| 30 | \triangleright | Theory: | 70 |
| 5 | | Written | Examination |
| 10 | | | |
| 15 | | | |
| | rs Iluation Met 30 5 10 15 | rs luation Methods 30 ≻ 5 10 15 | rs luation Methods Bend Term H 30 ≫ Theory: 5 Written 1 10 15 |

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.

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Kurukshetra University, KURUKSHETRA-136119.

| | Session: 2024-25 | | | | |
|---|--|--|--|---|--|
| Part A - Introduction | | | | | |
| Name of P | rogramme | M.A. Economic | s | | |
| Semester | | Second | | | |
| Name of t | he Course | Logical Reasonin | g in Social Sciences | °≥ 8 | |
| Course Co | ode | M24-ECO-207 | | | |
| Course Ty | уре | DEC-2 | | | |
| Level of the course 400-499 | | | | | |
| Pre-requisite for the course (if any) n.a. | | | | | |
| After com | pleting this course, the learner will be able | 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. | | | |
| Credits | | Theory | Practical | Total | |
| | | 4 | 0 | 4 | |
| Teaching | Hours per week | 3 | 1 | 4 | |
| Internal A | seesment Marks | 30 | 0 | 30 | |
| End Term | Exam Marks | 70 | 0 | 70 | |
| Max Mar | ks | 100 | 0 . | 100 | |
| Examinat | ion Time | 3 hours | | | |
| Examinat | Part B- | Contents of the | Course | | |
| No. 1) will one questic Unit | consist at least 4 parts covering entire syllab on from each unit and the compulsory question | ous. The examined on. All questions opics | e will be required to attempt will carry equal marks. | 5 questions, selecting Contact Hours | |
| I | Definition, Nature, and Scope of Logic; La of Logical Propositions; Square of Opposit | inguage, Logic, ar | nd Concepts; Classification as | 15 | |
| II | II Fundamental Principles of Logic (The Laws of Thought); Immediate Inference – 15 Conversion, Obversion and Contraposition; Mediate Inference (Syllogism)- Rules of syllogism, Moods and figures 15 | | | | |
| III | Pure and Mixed Syllogism – Categorica Predicate Logic; Basic Sets; Basic Set Oper | l, Disjunctive and rations | d Hypothetical Syllogism; | 15 | |
| IV | Induction and its types; J. S. Mill's Inducti , Sources and Verification; Fallacies- Fal Induction; Fallacies of Presumption; Fallac | ve Methods; Scie lacies of Relevan ies of Ambiguity | nce and Hypothesis- Types ce; Fallacies of Defective | 15 | |
| | Total Contact | hours | | 60 | |
| | Suggest | ed Evaluation M | ethods | | |
| | Internal Assessment: 30 | | End Term Exa | mination: 70 | |
| > The | ory | 30 | > Theory: | 70 | |
| • Class | Participation: | 5 | Written Exa | mination | |
| • Semin | ar/presentation/assignment/quiz/class test etc | c.: 10 | 1 | | |
| • Mid-T | erm Exam: | 15 | 1 | | |
| Part C-Learning Resources | | | | | |
| Recommended Books/e-resources/LMS: 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 | | | | | |

269

- 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
- <u>R. M. Sainsbury</u>, 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.
- <u>Wilfrid Hodges</u>, Logic, Penguin Books Ltd

man,

| Session: 2024-25 | | | | |
|--|--|--|--|--|
| | Par | t A - Introduction | | |
| Name of th | e Programme | Common to all PG | Programmes | and a second second |
| Semester | | 2 nd | · · · · · · · · · · · · · · · · · · · | - 1992 (Part - |
| Name of th | ne Course | Constitutional, Hur | nan and Moral Values, and I | PR |
| Course Co | ode | M24-CHM-201 | | |
| Course Ty | pe | СНМ | | |
| Level of th | ne course | 400-499 | | |
| Pre-requis | ite for the course (if any) | - | n.a. | |
| Course Le After comp | arning Outcomes (CLO) eleting this course, the learner will be able to: | CLO-1: Learn the of duties enshrined in CLO-2: Understan International peace CLO-3: Grasp the Conduct which are developing profess | different Constitutional Value the India Constitution. d humanism, human virtue e basic concepts of Moral required to become a part o ionalism. | es, Fundamental rights and es and values, and ide of Values and Professional of the civil society and for |
| | | Patent, Trademark | etc., and about threats of Play | giarism. |
| Credits | | Theory | Practical | Total |
| | | 2 | 0 | 2 |
| Teaching | Hours per week | 2 | 0 | 2 |
| Internal A | seesment Marks | 15 | 0 | 15 |
| End Term | Exam Marks | 35 | 0 | 35 |
| Max Mar | | 50 | 0 | 50 |
| Examinati | on Time | 3 hours | 0 | 50 |
| Examinati | Part B- | Contents of the C | ourse | |
| Instruction question by least 4 parts and the com | s for Paper- Setter: The examiner will set taking course learning outcomes (CLOs) into s covering entire syllabus. The examinee will b pulsory question. All questions will carry equal | 9 questions asking consideration. The of required to attemp marks. | two questions from each u compulsory question (Questi pt 5 questions, selecting one | nit and one compulsory on No. 1) will consist at question from each unit |
| Unit | Te | opics | | Contact Hours |
| I | Constitutional Values: Historical Perspective of Indian Constitution; Indian Constitution; Concept of Constitution Nation Building; Fundamental Rights and Duti | Basic Values enshr nal Morality; Patric es ; Directive Princi | rined in the Preamble of the otic Values and Ingredients ples 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 Bease and Brotherhood (Vasudhaiv Kutumblam) | | | es of Human Beings; Ethical nature; Idea of International | 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 | |
| | mentioned topics. | a to generic and m | a suddor y level of | |
| | Total Contact E | Iours | | 30 |
| | Suggested Evaluation Methods | | | |

10 32

27

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

Part C-Learning Resources

Recommended Books/e-resources/LMS:

Ahuja, V K. (2017). Law relating to Intellectual Property Rights, India, IN: Lexis Nexis.

Bajpai, B. L., Indian Ethos and Modern Management, New Royal Book Co., Lucknow, 2004.

Basu, D.D., Introduction to the Constitution of India (Students Edition) Prentice Hall of India Pvt. Ltd., New Delhi, 20th ed., 2008.

Dhar, P.L. & R.R. Gaur, Science and Humanism, Commonwealth Publishers, New Delhi, 1990.

George, Sussan, How the Other Half Dies, Penguin Press, 1976.

Govindarajan, M., S. Natarajan, V.S. Sendilkumar (eds.), *Engineering Ethics (Including Human 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: Protectionand Management. India, IN: Cengage Learning India PrivateLimited.

Palekar, Subhas, How to practice Natural Farming, Pracheen (Vaidik) KrishiTantraShodh, 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.

Raman, B.S., Constitution of India, New Delhi, 2002.

Reddy, B., Intellectual Property Rights and the Law, Gogia Law Agency.

Reddy, N.H., SantoshAjmera, 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.

Singles, 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.

Chairgean, Department of Economics Kurukshetra University, KURUKSHETRA-136119.

| Session: 2025-26 | | | | | | |
|---|---|---|---|---|--|--|
| | | Part A - Introduction | | | | |
| Name of Pro | ogramme | M.A. Economics | | | | |
| Semester | | Third | | | | |
| Name of th | e Course | International Trade | | | | |
| Course Co | rse Code M24-ECO-301 | | | | | |
| Course Typ | be | CC-9 | | | | |
| Level of the | e course | 500-599 | | | | |
| Pre-requisit | te for the course (if any) | | n.a. | | | |
| Course Lea | rning Outcomes (CLO) | CLO 1: Understand, explain, compare and critically evaluate the classical and ne | | | | |
| After comp | leting this course, the learner | classical trade theories of International Trade. | | | | |
| will be able | to: | CLO 2: Learn, compare and critically evaluate the new trade theories and their relevand | | | | |
| | | in today's scenario. | | 1 | | |
| | | CLO 3: Understand the pattern, scop | pe, potential and related issues of the | rade. | | |
| | | economic integration and its impact | e protection and develop the abili | ty to appreciate the | | |
| | | economic integration and its impact | 5. | | | |
| Credits | | Theory | Tutorial | Total | | |
| creates | | A | 0 | 4 | | |
| Teaching | Jours par week | 2 | 1 | 4 | | |
| Teaching r | Hours per week | 3 | 1 | | | |
| Internal As | sessment Marks | 30 | 0 | 30 | | |
| End Term | Exam Marks | /0 | 0 | /0 | | |
| Max. Mark | S | 100 | 0 | 100 | | |
| Examinatio | on lime | 3 hours | | | | |
| 1 | | Part B-Contents of the Co | ourse | | | |
| question by least 4 parts and the com | taking course learning outcom covering entire syllabus. The pulsory question. All questions | es (CLOs) into consideration. The c examinee will be required to attemp will carry equal marks. | ompulsory question (Question No ot 5 questions, selecting one questi | . 1) will consist at on from each unit | | |
| Unit | | lopics | | Contact Hours | | |
| I | Fundamentals of Internation | nal Trade: Introduction to Internat c problems and challenges; Trade T | ional Trade and world economy; heories: Theories of Absolute and | 15 | | |
| | Comparative Advantage (Rea | and opportunity Cost approaches); | n Theorem: Empirical Verification | | | |
| | of H O theory: Rybczynski T | heorem: Gains from Trade | in Theorem, Empirical vernication | | | |
| | Self-Study: Theory of Merca | of H.O. theory; Rybczynski Theorem; Gains from Trade. | | | | |
| | | ntilism: Concept of Opportunity Co | ost. Production Possibility Curve. | | | |
| | Edgeworth box, Contract Cur- | ntilism; Concept of Opportunity Co | ost, Production Possibility Curve, | | | |
| 11 | Edgeworth box, Contract Cur New Trade Theories: Kravis | ntilism; Concept of Opportunity Co ve. and Linder Theory of Trade, Posner | ost, Production Possibility Curve, 's Imitation Gap, Vernon's Product | | | |
| 11 | Edgeworth box, Contract Cur New Trade Theories: Kravis Life Cycle Theory, Term of | ntilism; Concept of Opportunity Co /e. and Linder Theory of Trade, Posner' Trade and its Computation; Secular | ost, Production Possibility Curve, 's Imitation Gap, Vernon's Product Deterioration of Terms of Trade, | 15 | | |
| 11 | Edgeworth box, Contract Cur New Trade Theories: Kravis Life Cycle Theory, Term of Imperfect Competition and | ntilism; Concept of Opportunity Co /e. and Linder Theory of Trade, Posner Trade and its Computation; Secular International Trade: Monopoly; M | ost, Production Possibility Curve, 's Imitation Gap, Vernon's Product Deterioration of Terms of Trade, onopolistic competition; Welfare | 15 | | |
| 11 | Edgeworth box, Contract Curr New Trade Theories: Kravis Life Cycle Theory, Term of Imperfect Competition and implication of Monopolistic of | and Linder Theory of Trade, Posner Trade and its Computation; Secular International Trade: Monopoly; Mo ompetition and trade; Dumping; Eco | ost, Production Possibility Curve, 's Imitation Gap, Vernon's Product Deterioration of Terms of Trade, onopolistic competition; Welfare momies of Scale and International | 15 | | |
| 11 | Edgeworth box, Contract Cur New Trade Theories: Kravis Life Cycle Theory, Term of Imperfect Competition and implication of Monopolistic of Trade, Intra-Industry Trade: | and Linder Theory of Trade, Posner Trade and its Computation; Secular International Trade: Monopoly; M ompetition and trade; Dumping; Eco Causes, emergence and measureme | ost, Production Possibility Curve, 's Imitation Gap, Vernon's Product Deterioration of Terms of Trade, onopolistic competition; Welfare onomies of Scale and International ent; Balassa Index, Grubel-Lloyd | 15 | | |
| | Edgeworth box, Contract Cur New Trade Theories: Kravis Life Cycle Theory, Term of Imperfect Competition and implication of Monopolistic of Trade, Intra-Industry Trade: Index. | ntilism; Concept of Opportunity Co ye. and Linder Theory of Trade, Posner Irade and its Computation; Secular International Trade: Monopoly; M ompetition and trade; Dumping; Eco Causes, emergence and measurement atures of Market: Perfect Competit | ost, Production Possibility Curve, 's Imitation Gap, Vernon's Product Deterioration of Terms of Trade, onopolistic competition; Welfare onomies of Scale and International ent; Balassa Index, Grubel-Lloyd | 15 | | |
| 11 | Edgeworth box, Contract Cur New Trade Theories: Kravis Life Cycle Theory, Term of Imperfect Competition and implication of Monopolistic of Trade, Intra-Industry Trade: Index. Self-Study: Concept and Fe competition, Economies of sc | ntilism; Concept of Opportunity Co /e. and Linder Theory of Trade, Posner Trade and its Computation; Secular International Trade: Monopoly; M ompetition and trade; Dumping; Eco Causes, emergence and measurement atures of Market: Perfect Competit ale, concept of efficiency and market | ost, Production Possibility Curve, 's Imitation Gap, Vernon's Product Deterioration of Terms of Trade, onopolistic competition; Welfare onomies of Scale and International ent; Balassa Index, Grubel-Lloyd ion, Monopoly and Monopolistic failure. | 15 | | |
| II | Edgeworth box, Contract Cur New Trade Theories: Kravis Life Cycle Theory, Term of Imperfect Competition and implication of Monopolistic of Trade, Intra-Industry Trade: Index. Self-Study: Concept and Fe competition, Economies of sc Economic Growth and Int | and Linder Theory of Trade, Posner and Linder Theory of Trade, Posner Irade and its Computation; Secular International Trade: Monopoly; M ompetition and trade; Dumping; Eco Causes, emergence and measurement atures of Market: Perfect Competit ale, concept of efficiency and market ernational Trade: Technical Progr | ost, Production Possibility Curve, 's Imitation Gap, Vernon's Product Deterioration of Terms of Trade, onopolistic competition; Welfare onomies of Scale and International ent; Balassa Index, Grubel-Lloyd ion, Monopoly and Monopolistic failure. | 15 | | |
| II | Edgeworth box, Contract Curr New Trade Theories: Kravis Life Cycle Theory, Term of Imperfect Competition and implication of Monopolistic of Trade, Intra-Industry Trade: Index. Self-Study: Concept and Fe competition, Economies of sc Economic Growth and Inte Frontier; Growth and Trade | and Linder Theory of Trade, Posner and Linder Theory of Trade, Posner Irade and its Computation; Secular International Trade: Monopoly; M ompetition and trade; Dumping; Eco Causes, emergence and measureme atures of Market: Perfect Competit ale, concept of efficiency and market ernational Trade: Technical Progr in case of Large Country- Growth a | sst, Production Possibility Curve, 's Imitation Gap, Vernon's Product Deterioration of Terms of Trade, onopolistic competition; Welfare onomies of Scale and International ent; Balassa Index, Grubel-Lloyd ion, Monopoly and Monopolistic failure. ress and the Nation's Production and Nation's Terms of Trade and | 15 | | |
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| | Edgeworth box, Contract Cur- New Trade Theories: Kravis Life Cycle Theory, Term of Imperfect Competition and implication of Monopolistic of Trade, Intra-Industry Trade: Index. Self-Study: Concept and Fe competition, Economies of sc Economic Growth and Int Frontier; Growth and Trade welfare, Immiserising Grow National Welfare arguments a Trade. Tariffs, Quotas and N Effective rate of Protection; (regulations). Self-study: Concept of socia China Trade War, WTO regu Global Trade Policy: Eco equilibrium analysis; Dynam | and Linder Theory of Trade, Posner rade and its Computation; Secular International Trade: Monopoly; M ompetition and trade; Dumping; Eco Causes, emergence and measureme atures of Market: Perfect Competit ale, concept of efficiency and market ernational Trade: Technical Progra in case of Large Country- Growth a th. Political economy of trade pol gainst free trade; The Domestic Marl on-Tariff barriers; Effects of tariff-M Quotas and other non-tariff barriers Welfare, List of trade barriers account ations regarding trade barriers. | ost, Production Possibility Curve, 's Imitation Gap, Vernon's Product Deterioration of Terms of Trade, onopolistic competition; Welfare onomies of Scale and International ent; Balassa Index, Grubel-Lloyd ion, Monopoly and Monopolistic failure. ress and the Nation's Production and Nation's Terms of Trade and licy: Free Trade and Efficiency; ket Failure Argument Against Free Metzler Paradox; Optimum Tariff; -technical/quality/safety standards rding to WTO, Case Study of US- oms union; partial and general curopean Union, BRICS, NAFTA. | 15 | | |

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273

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 Wars. India's Trade Policy: Concept, Nature and Aims of Trade Policy; Evolution of India's Trade Policy; Recalibrating India's Foreign Trade Policy; Recent Foreign Trade Policy of India. Self-study: Basic Tools of Trade Policy, Sequencing and pacing of trade reforms, case study of EU, Trade Policy Review of India by World Trade Organization, Case Study of China-USA trade War. **Total Contact Hours**

60

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

Recommended Books/e-resources/LMS:

- Salvatore D. (2004). Introduction to International Economics, Published by Wiley India.
- Paul R. Krugman, Maurice Obstfeld & Marc Melitz (2013). International Economics: Theory and Policy, Pearson Publication.
- H. G. Mannur(1999). International Economics, Vikas Publishing House.
- Södersten, Bo (1994). International Economics, Houndmills, Basingstoke, Hampshire: Macmillan.
- Batra, R. N. (1973). Studies in the Pure Theory of International Trade, St. Martin's Press, August.
- Bhagwati, J. N. (1987). International trade: Selected readings, MIT Press, Cambridge.
- Ethier, W. J. (1995). Modern International economics, W.W. Norton & Co.
- Heffernan, S. & Sinclair, P. (1991). Modern International Economics, Wiley-Blackwell
- e-PGPathshala (inflibnet.ac.in)
- Unit-18.pdf (egyankosh.ac.in)

| Session: 2024-25 | | | | | |
|---|-----------------------|----------|-------|--|--|
| Par | t A – Introduction | | | | |
| Name of Programme | M.A. Economics | | | | |
| Semester | Third | | | | |
| Name of the Course | Development Economics | 3 | | | |
| Course Code | M24-ECO-302 | | | | |
| Course Type | CC-10 | | | | |
| Level of the course | 500-599 | | | | |
| Pre-requisite for the course (if any) | n.a. | | | | |
| Course Learning Outcomes (CLO) CLO 1: To appreciate and interpret the nature of Economic Growth & Development with a view to measure and mark its trajectory. Will be able to: CLO 2: Appreciate the methods of measuring economic development. CLO 3: Comprehend various development strategies and their applicability. CLO 4: To deduce the approaches to economic development with a view to apply the Practically. | | | | | |
| Credits | Theory | Tutorial | Total | | |
| | 4 | 0 | 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 | |
|------------|--|------------|-------------------------------|---------|---------------|--|
| Ī | Concepts & Measurement of Economic Development | | | | | |
| | Evolution of concept of Economic growth, Economic d | evelopm | ent, Capability Approach; G | oulet's | 15 | |
| | core values of development Historical perspective of Ec. | onomic (| Growth and its relevance; Str | uctural | | |
| | diversity and common characteristics of developing nation | ons, Glo | bal North and Global South | divide, | | |
| | Measuring Development: Income Measures, Basic N | leeds A | pproach, PQLI, HDI, Sust | ainable | | |
| | development and Climate Change, Sustainable Developm | nent Goa | ls. | | 0 | |
| II | Problems of Underdevelopment: Poverty, Inequality a | nd Deve | lopment: Measurement, Imp | act and | | |
| | Policy options, Dualism, Centre-Periphery Model and | Process | s of Cumulative Causation, | Lewis | 15 | |
| | model of economic development, Ranis and Fei r | nodel, J | orgenson's model, Balance | ed and | | |
| | Unbalanced growth, Linkage effect Hirschman and Nurk | se. | | | | |
| III | Sectoral Aspects of Development | | | | | |
| | Role of Agriculture in Economic Development; Heterogeneity in Agriculture; Agricultura | | | | | |
| | Transformation: Designing Strategy for Agriculture | Transfor | mation. Rationale and Patt | tern of | | |
| | Industrialization in developing Countries; Choice of | Technie | ques, Appropriate technolog | gy and | | |
| | employment; Terms of Trade between Agriculture an | eloping | | | | |
| | Economies: Role, growth and sustainability, Infrastructur | re and its | importance. | | | |
| IV | International Trade Theory and Development Strateg | gy | | | | |
| - C.A | Contemporary Issues in International Trade; Critique of | Tradition | al Tree Trade Theory; Trade | Policy | 15 | |
| | Debate: Export Promotion, Import Substitution and | Econon | ic Integration; Globalizatio | on and | 2 | |
| | Development: View of Stiglitz. Role of financial Inst | itutions | in economic development: | Theory | | |
| | (Acemoglu and Zilibotti Model) and Evidence, New Ins | t, State | | | | |
| | and Civil Society. | | | | | |
| | | | | | | |
| | Total Contact Hours | | | | 60 | |
| Suggeste | ed Evaluation Methods | | 1 | | | |
| Internal A | Assessment: 30 | | End Term Examination: 7 | 0 | | |
| > The | eory | 30 | > Theory: | 70 | | |
| Class | Participation: | 5 | Written Examination | | | |
| • Semin | nar/presentation/assignment/quiz/class test etc.: | 10 | | | | |
| • Mid-T | Ferm Exam: | 15 | 1 | | | |

Part C-Learning Resources

Recommended Books/e-resources/LMS:

- Adelman, I. (1961). Theories of Economic Growth and Development, Stanford University Press, Stanford.
- Barro, R. J. & Sala-i-Martin, X. (2004). Economic Growth, MIT Press.
- Behrman, S. & Srinivasan, T.N (Eds.), (1995). Handbook of Development Economics, Vol. 3. Elsevier, Amsterdam.
- Bhagwati, J. & Desai, P. (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.
- Chenery, H. & Srinivasan, T.N. (Eds.) (1989). Handbook of Development Economics, Vol. 1 & 2. Elsevier, Amsterdam.
- Ghatak, S. (1986). An Introduction to Development Economics, Allen and Unwin, London.
- Gillis, M., Perkins, D.H., Romer, M. & Snodgrass, D.R. (1992). Economics of Development, 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.
- Jones, H.G. (1975). An introduction to modern theories of economic growth, London: Thomas Nelson Ltd.
- Kindleberger, C.P. (1977). Economic Development, McGraw Hill, New York.
- Meier, G.M. & Rauch, J.E. (2005). Leading Issues in Economic Development, Oxford University Press, New Delhi.
- Menard, C. & Shirley, M.M. (2008). Handbook of New Institutional Economics, Springer Science & Business Media.
- Schultz, Paul T. & Strauss, J. (Eds.). (2008). Handbook of Development Economics, Vol. 3. Elsevier, Amsterdam.
- Sen, A.K. (Ed.). (1990). Growth Economics, Penguin, Harmondsworth.
- Thirlwall, A.P. (1999). Growth and Development, Macmillan, U.K.
- Todaro, M.P. & Smith, S.C. (2003). Economic Development, Pearson Education
- https://youtube.com/playlist?list=PLwdnzlV3ogoXxAT0AGHAQ3iMswK39C6gS&si=faFLJLVTRKQCdL87

275



Chairman,

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| Part A - Introduction Name of Programme M.A. Economics Semester THIRD Name of the Course Introductory Financial Economics Course Code M24-ECO-30 Course Type DEC-3 Level of the course 500-599 Pre-requisite for the course (if any) n.a. Course Learning Outcomes (CLO) CLO 1: Understand, apply and solve the time value of money problems and its applications in investment evaluation criteria. CLO 2: Understand and compute various costs of capital and design a optimal capital structure. CLO 3: Understand theoretically how dividend decisions are taken in corporate sector and design a dividend policy for a ftrm. CLO 4: Understand theoretically how dividend decisions are taken in corporate sector and design a dividend policy for a ftrm. CLO 4: Understand the management of working capital and its components, and solve problems in relation thereto. Credits Theory Tutorial Total Internal Assessment Marks 30 0 30 End Term Exam Marks 100 0 100 Examination Time 3 hours 1 4 End Term Exam Marks 100 0 100 Examination Time 3 hours 1 | | | Session: 2025-26 | | | | | |
|--|---|--|---|-----------------------------|---|--|--|--|
| Name of Programme M.A. Economics Semester THRD Name of the Course Introductory Financial Economics Course Code M24-ECO-303 Course Type DEC-3 Level of the course 500-599 Pre-requisite for the course (if any) n.a. Course Learning Outcomes (CLO) CLO 1: Understand, apply and solve the time value of money problems and its applications in investment evaluation criteria. CLO 3: Understand the computer various costs of capital and design an optimal capital structure. CLO 3: Understand the orenically how dividend decisions are taken in corporate sector and design a dividend policy for a frm. Credits Theory Tutorial Total 4 0 4 0 4 Teaching Hours per week 3 1 4 1 Internal Assessment Marks 70 0 70 70 Max. Marks 100 0 100 Examination time 3 hours Intersection and unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question (Question No. 1) will consist at apts courseing entire syllabus. The examine will be required to atempt 5 questions, sking trow questions from each unit and the com | | Par | rt A – Introductio | ion | | | | |
| Semester THIRD Name of the Course Introductory Financial Economics Course Code M24-ECO-303 Course Code M24-ECO-303 Course Type DEC-3 Level of the course 500-599 Prerequisite for the course (if any) n.a. Course Code CLO 1: Understand, apply and solve the time value of money problems and its applications in investment evaluation criteria. CLO 2: Understand and compute various costs of capital and design an optimal capital structure. CLO 3: Understand theoretically how dividend decisions are taken in corporate sector and design a dividend policy for a frm. CLO 4: Understand theoretically how dividend decisions are taken in corporate sector and design a dividend policy for a frm. CLO 4: Understand theoretically how dividend decisions are taken in corporate sector and design a dividend policy for a frm. CLO 4: Understand theoretically how dividend decisions are taken in corporate sector and design a dividend policy for a frm. CLO 4: Understand theoretically how dividend decisions are taken in corporate sector and design a dividend policy for a frm. CLO 4: Understand the management of working capital and its components, and solve problems in relation thereto. Credits Theory Tutorial Total Max. Marks 30 0 30 End Term Examiner will set 9 parts covering entire syllabus. The examiner will set 9 questions from each unit and one compulsory question by taking coures learning outcoms (CLOs) into considerati | Name of Pr | ogramme | M A Economics | s | | | | |
| Name of the Course Inroductory Financial Economics Course Code M24-ECO-303 Course Code S00-599 Level of the course S00-599 Pre-requisite for the course (if any) n.a. Course Learning Outcomes (CLO) CLO 1: Understand, apply and solve the time value of money problems and its applications in investment evaluation criteria. CLO 3: Understand and compute various costs of capital and design an optimal capital structure. CLO 4: Understand the management of working capital and its components, and solve problems in relation thereto. Credits Theory Tutorial Total 4 0 4 4 70 0 30 10 Ras. Marks 70 0 70 Max. Marks 100 0 100 East A parts covering entire syllabs. The examiner will set 9 questions asking two questions from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question from each unit and the compulsory question from each unit and the compulsory question of from syllabs. The examiner will be required to atterpt 5 questions, sketerture EBT Part Sovering entire syllabs. The examiner will be required to atterpt 5 questions. from each unit and the compulsory question from eac | Semester | • Bruinnie | THIRD | | | | | |
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| Course Course pic2+EC0-30S Level of the course 500-599 Pre-requisite for the course (if any) CLO 1: Understand, apply and solve the time value of money problems and the completing this course, the learner will be able to: CLO 1: Understand, apply and solve the time value of money problems an optimal capital structure. CLO 3: Understand the cortically how dividend policy for a firm. CLO 4: Understand the cortically how dividend policy for a firm. CLO 4: Understand the cortically how dividend policy for a firm. CLO 4: Understand the management of working capital and its components, and solve problems in relation thereto. Credits Theory Tutorial Total 4 0 4 0 1 4 0 4 0 2 Tutorial Total 70 0 70 Marks 30 0 30 100 100 100 Examination Time Part B-Contents of the Course 100 0 100 100 Instructions for Paper- Setter: The examiner will set 9 questions to the course of capital Budgeting. 11 15 Instructions for Paper- Setter: The examiner will set 9 questions asking two questions, selecting one question from each unit and the compulsory question. | Course Co | de | M24 ECO 202 | | | | | |
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| Inter-equiptie 107 (ne course (LTaily) 1.0. 1.0. Course Learning Outcomes (CLO) After completing this course, the learner will be able to: CLO 1: Understand, apply and solve the time value of money problems and its applications in investment evaluation criteria. CLO 1: CLO 2: Understand and compute various costs of capital and design an optimal capital structure. CLO 2: Understand the management of working capital and its components, and solve problems in relation thereto. Credits Theory Tutorial Total 4 0 4 0 1 CLO 4: Understand the management of working capital and its components, and solve problems in relation thereto. 1 Credits Theory Tutorial 4 1 4 0 4 0 1 Ata Sossesment Marks 30 0 30 End Term Exam Marks 70 0 70 100 Max.Marks 100 0 100 100 Examination Time 3 hours 100 0 100 Isting course learning outcomes (CLOs) into consideration. The compulsory question from each unit and one compulsory question by taking course learning outcomes of CLOs is not consideration. The compulsory question from each unit and the compulsory question solvering entrice | Pro roquisi | to for the course (if any) | 500-399 | | | | | |
| Course Charling Outcomes (CLO) CLO 3: Understand, apply and solve the intervalue of money problems and its applications in investment value of money problems and its applications in investment value of money problems and its applications in investment value of money problems and its applications in investment value of money problems and its applications in investment value of money problems and its applications in investment value of money problems and its applications in investment value of money problems and its applications in investment value of money problems and its applications in investment value of money problems and its applications in investment value of working capital and design and optimal capital structure. Credits Theory Tutorial Total Credits Theory Tutorial Total 4 0 4 0 1 4 0 30 End Term Exam Marks 30 0 30 Entructions for Paper Setter: The examiner will set 9 questions asking two questions from each unit and one compulsory question for taking ocurse learning outcomes (CLOs) into consideration. The compulsory question of taking course learning outcomes (CLOs) into consideration. The compulsory question of taking one project Cash Flows, Risk Analysis in Capital Budgeting - Investment of Cost of Capital. 15 1 Capital Budgeting Capital Structure and Firm Value - Net Income Approach, Net Operating income Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure and Firm Value - Net Income Approach, Net Operating income Approach, Mod | Course Le | arning Outcomes (CLO) | CLO 1: Underst | tond | n.a. | ushing of monor much land | | |
| CLO 3: Understand theoretically how dividend decisions are taken in corporate sector and design a dividend policy for a firm. CLO 4: Understand the management of working capital and its components, and solve problems in relation thereto. Credits Theory Tutorial Total 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 100 100 Eastingtions for Paper- Setter: The examiner will set 9 questions sking two questions, selecting non-question from each unit and one compulsory question by taking course learning outcomes (CLOs) into consideration. The compulsory question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 9 questions, selecting one question from each unit and the compulsory question No. 1) will consist at least 4 parts covering entire syllabus. The examinee will be required to attempt 9 questions, selecting one question from each unit and the compulsory question of Cost of Capital Budgeting 15 Inter Value of Money; Goals of Finance; Economics of capital Budgeting. Computation of Cost of Capital Structure and Firm Value - Net Income Approach, Net Operating income Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure - EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 IV Cash Receivab | After comp | eleting this course, the learner will be able to: | and its applicatio CLO 2: Underst optimal capital st | ons tand struc | in investment evaluation crit d and compute various costs cture. | iteria. its of capital and design an | | |
| Credits Theory Tutorial Total 4 0 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 0 100 Examination Time 3 hours 0 100 East 4 parts covering entire syllabus. The examineer will set 9 questions asking two 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 one compulsory question form each unit and one compulsory question by taking course learning outcomes (Economics of capital Budgeting - Investment Criteria, Estimation of project Cash Flows, Risk Analysis in Capital Budgeting, Computation of Cost of Capital. 15 III Capital Budgeting 15 15 III Capital Structure and Firm Value Net Income Approach, Net Operating in one Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 IV Cash Cash Cash Budgeting and its Simulatio | | ~ | CLO 3: Underst corporate sector 2 CLO 4: Under components, and | and and srsta d so | d theoretically how dividen d design a dividend policy for and the management of live problems in relation there | nd decisions are taken in rafirm. working capital and its eto. | | |
| 4 0 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 70 0 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. Contact Hours Unit Topics Contact Hours 15 Capital Budgeting 1 Capital Budgeting 15 Time Value of Money; Goals of Finance; Economics of capital Budgeting, Computation of Cost of Capital. 15 II Capital Structure and Firm Value 15 15 Economics of Capital. 15 15 15 III Dividends and Working Capital - Estimation of Working Capital - Economics of Capital Structure | Credits | | Theory | | Tutorial | Total | | |
| 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 100 100 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 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. Contact Hours Unit Capital Budgeting 1 15 I Capital Budgeting 15 Contact Hours I Capital Budgeting 15 15 III Capital Structure and Firm Value Not exproach, Net Operating income Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure - EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 IIII Dividends and Working Capital - Estimation of Working Capital, Financing of working Capital. Economics of Toxich Analysis. 15 IV Cash, Receivables and Inventory E | | | 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 100 0 100 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. Contact Hours I Capital Budgeting Topics Contact Hours I Capital Budgeting Investment Criteria, Estimation of project Cash Flows, Risk Analysis in Capital Budgeting - Investment Criteria, Estimation of project Cash Flows, Risk Analysis of Optimal Capital structure - EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 III Dividends and Working Capital 15 15 Economics of Capital Structure and Firm Value Not income Approach, Net Operating income Approach, Net Operating and Financial Leverage. 15 III Dividends and Working Capital - Estimation of Working Capital, Financing of working Capital. Cast-Volume-Profit Analysis. < | Teaching | Hours per week | 3 | + | 1 | 4 | | |
| End Term Exam Marks 70 0 70 Max. Marks 100 0 100 Examination Time 3 hours 100 0 100 Examination Time 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. Contact Hours 1 Capital Budgeting Time Value of Money; Goals of Finance; Economics of capital Budgeting - Investment Criteria, Estimation of project Cash Flows, Risk Analysis in Capital Budgeting, Computation of Cost of Capital. 15 II Capital Structure and Firm Value Economics of Capital. 15 15 III Capital Structure and Firm Value - Net Income Approach, Net Operating income Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure - EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 1W Cash, Receivables and Inventory Economics of Receivables; Economics of Morking Capital- Estimation of Working Capital, Financing of working Capital. Cost-Volume-Profit Analysis. 15 1V Cash, Receivables and Inventory Economics of Receivables; Economics of Inventory – EOQ Model, | Internal As | ssessment Marks | 30 | + | 0 | 30 | | |
| Max. Marks 100 0 100 Examination Time 3 hours 100 100 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 of project Cash Flows, Risk Analysis in Capital Budgeting - Investment Criteria, Estimation of project Cash Flows, Risk Analysis in Capital Budgeting, Computation of Cost of Capital. 15 II Capital Structure and Firm Value - Net Income Approach, Net Operating income Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure - EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 III Dividends and Working Capital - Estimation of Working Capital, Financing of working Capital. Cost-Volume-Profit Analysis. 15 IV Cash, Receivables and Inventory - EOQ Model, Model; Kenomics of Inventory - EOQ Model, Miller and Orr Model; Economics of Receivables; Economics of Inventory - EOQ Model, Miller and Orr Model; Economics of Inventory - EOQ Model, Model; Caottat hours 60 Suggested Evaluation Methods Internal Assessment: 30 End Term Examination: 70 > Theory 30 > Theory: 70 70 | End Term | Exam Marks | 70 | -+ | 0 | 70 | | |
| 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 Capital Budgeting 15 Time Value of Money; Goals of Finance; Economics of capital Budgeting - Investment Criteria, Estimation of project Cash Flows, Risk Analysis in Capital Budgeting, Computation of Cost of Capital. 15 II Capital Structure and Firm Value 15 Economics of Capital. 15 III Capital Structure and Firm Value 15 EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 IIII Dividends and Working Capital - Estimation of Working Capital, Financing of working Capital. Cost-Volume-Profit Analysis. 15 IV Cash, Receivables and Inventory 60 Suggested Evaluation Medel; Economics of Receivables; Economics of Inventory – EOQ Model, Pricing of Raw materials, Monitoring and Control of Inventores. 60 Suggested Evaluation Methods 20 20 <td>Max. Mark</td> <td><s< td=""><td>100</td><td>+</td><td>0</td><td>100</td></s<></td> | Max. Mark | <s< td=""><td>100</td><td>+</td><td>0</td><td>100</td></s<> | 100 | + | 0 | 100 | | |
| 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 1 Capital Budgeting Time Value of Money; Goals of Finance; Economics of capital Budgeting - Investment Criteria, Estimation of project Cash Flows, Risk Analysis in Capital Budgeting, Computation of Cost of Capital. 15 II Capital Structure and Firm Value 15 Economics of Capital 15 II Capital Structure and Firm Value 15 Economics of Capital 15 III Capital Structure and Firm Value 15 Economics of Capital 15 Economics of Capital 15 IIII Dividends and Working Capital 15 Economics of Working Capital - Estimation of Working Capital, Financing of working Capital. Cost-Volume-Profit Analysis. 15 IV Cash - Cash Budgeting and its Simulation, Optimal Cash balance, Baumol Model, Model, Internal Assessment: 30 <t< td=""><td>Examinatio</td><td>on Time</td><td>3 hours</td><td>+</td><td></td><td></td></t<> | Examinatio | on Time | 3 hours | + | | | | |
| 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 Contact Hours I Capital Budgeting Time Value of Money; Goals of Finance; Economics of capital Budgeting - Investment Criteria, Estimation of project Cash Flows, Risk Analysis in Capital Budgeting, Computation of Cost of Capital. 15 II Capital Structure and Firm Value Economics of Capital Structure and Firm Value - Net Income Approach, Net Operating income Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 III Dividends and Working Capital Economics of Dividends- Walter Model, Gordon Model, Modigliani and Miller Model; Economics of Cash - Cash Budgeting and its Simulation, Optimal Cash balance, Baumol Model, Miller and Orr Model; Economics of Receivables; Economics of Inventory – EOQ Model, Pricing of Raw materials, Monitoring and Control of Inventories. 15 Contact hours Suggested Evaluation Methods Long Contact hours Contact Hours 15 Contact Hours 15 | | Part B- | Contents of the | e Co | ourse | | | |
| Unit Topics Contact Hours I Capital Budgeting Time Value of Money; Goals of Finance; Economics of capital Budgeting - Investment Criteria, Estimation of project Cash Flows, Risk Analysis in Capital Budgeting, Computation of Cost of Capital. 15 II Capital Structure and Firm Value Economics of Capital Structure and Firm Value - Net Income Approach, Net Operating income Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure - EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 III Dividends and Working Capital Economics of Dividends- Walter Model, Gordon Model, Modigliani and Miller Model; Economics of Dividends- Walter Model, Gordon Model, Modigliani and Miller Model; Economics of Working Capital - Estimation of Working Capital, Financing of working Capital. Cost-Volume-Profit Analysis. 15 IV Cash, Receivables and Inventory Economics of Cash – Cash Budgeting and its Simulation, Optimal Cash balance, Baumol Model, Miller and Orr Model; Economics of Receivables; Economics of Inventory – EOQ Model, Pricing of Raw materials, Monitoring and Control of Inventories. 60 Suggested Evaluation Methods End Term Examination: 70 > Theory 30 > Theory: 70 • Class Participation: 5 Written Examination | Instruction question by least 4 parts | s for Paper- Setter: The examiner will set taking course learning outcomes (CLOs) into s covering entire syllabus. The examinee will b | 9 questions askin consideration. Th be required to atte | ng t ne c emp | two questions from each ur compulsory question (Question of 5 questions, selecting one | nit and one compulsory on No. 1) will consist at question from each unit | | |
| Image: Contract Hours Contract Hours I Capital Budgeting Time Value of Money; Goals of Finance; Economics of capital Budgeting - Investment Criteria, Estimation of project Cash Flows, Risk Analysis in Capital Budgeting, Computation of Cost of Capital. 15 II Capital Structure and Firm Value Economics of Capital Structure and Firm Value - Net Income Approach, Net Operating income Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure – EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 III Dividends and Working Capital Economics of Dividends- Walter Model, Gordon Model, Modigliani and Miller Model; Economics of Working Capital-Estimation of Working Capital, Financing of working Capital. Cost-Volume-Profit Analysis. 15 IV Cash, Receivables and Inventory Economics of Cash – Cash Budgeting and its Simulation, Optimal Cash balance, Baumol Model, Miller and Orr Model; Economics of Receivables; Economics of Inventory – EOQ Model, Pricing of Raw materials, Monitoring and Control of Inventories. 60 Suggested Evaluation Methods End Term Examination: 70 > Theory 30 > Theory: 70 • Class Participation: 5 Written Examination | Unit | pulsory question. All questions will carry equal | marks. | | | Contract II. | | |
| 1 Capital Budgeting Time Value of Money; Goals of Finance; Economics of capital Budgeting - Investment Criteria, Estimation of project Cash Flows, Risk Analysis in Capital Budgeting, Computation of Cost of Capital. 15 II Capital Structure and Firm Value Economics of Capital Structure and Firm Value - Net Income Approach, Net Operating income Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure – EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 III Dividends and Working Capital Economics of Dividends- Walter Model, Gordon Model, Modigliani and Miller Model; Economics of Working Capital - Estimation of Working Capital, Financing of working Capital. Cost-Volume-Profit Analysis. 15 IV Cash, Receivables and Inventory Economics of Cash – Cash Budgeting and its Simulation, Optimal Cash balance, Baumol Model, Miller and Orr Model; Economics of Receivables; Economics of Inventory – EOQ Model, Pricing of Raw materials, Monitoring and Control of Inventories. 60 Suggested Evaluation Methods 13 60 V Internal Assessment: 30 End Term Examination: 70 > Theory: 70 • Class Participation: 5 | Unit | | opics | | | Contact Hours | | |
| II Capital Structure and Firm Value 15 Economics of Capital Structure and Firm Value - Net Income Approach, Net Operating income Approach, Modigliani and Miller Approach; Analysis of Optimal Capital structure – EBIT & EPS Analysis, ROI & ROE Analysis, Operating and Financial Leverage. 15 III Dividends and Working Capital Economics of Dividends- Walter Model, Gordon Model, Modigliani and Miller Model; Economics of Working Capital - Estimation of Working Capital, Financing of working Capital. Cost-Volume-Profit Analysis. 15 IV Cash, Receivables and Inventory Economics of Cash – Cash Budgeting and its Simulation, Optimal Cash balance, Baumol Model, Miller and Orr Model; Economics of Receivables; Economics of Inventory – EOQ Model, Pricing of Raw materials, Monitoring and Control of Inventories. 60 Suggested Evaluation Methods End Term Examination: 70 > Theory 30 > Theory: 70 • Written Examination | 1 | Time Value of Money; Goals of Finance; Criteria, Estimation of project Cash Flows, Ri of Cost of Capital. | Economics of ca isk Analysis in Ca | apit Capit | al Budgeting - Investment tal Budgeting, Computation | 15 | | |
| III Dividends and Working Capital 15 Economics of Dividends- Walter Model, Gordon Model, Modigliani and Miller Model; 15 Economics of Working Capital- Estimation of Working Capital, Financing of working Capital. 15 IV Cash, Receivables and Inventory 15 Economics of Cash – Cash Budgeting and its Simulation, Optimal Cash balance, Baumol 15 Model, Miller and Orr Model; Economics of Receivables; Economics of Inventory – EOQ 16 Model, Pricing of Raw materials, Monitoring and Control of Inventories. 60 Eugested Evaluation Methods End Term Examination: 70 Patheory 30 Theory: 70 • Class Participation: 5 Written Examination | Π | Capital Structure and Firm Value Economics of Capital Structure and Firm V income Approach, Modigliani and Miller App EBIT & EPS Analysis, ROI & ROE Analysis, | Value - Net Inco proach; Analysis Operating and Fin | ome of inan | e Approach, Net Operating Optimal Capital structure – icial Leverage. | 15 | | |
| IV Cash, Receivables and Inventory 15 Economics of Cash – Cash Budgeting and its Simulation, Optimal Cash balance, Baumol 15 Model, Miller and Orr Model; Economics of Receivables; Economics of Inventory – EOQ 60 Model, Pricing of Raw materials, Monitoring and Control of Inventories. 60 Suggested Evaluation Methods End Term Examination: 70 > Theory 30 > Theory: 70 • Class Participation: | III | Dividends and Working Capital Economics of Dividends- Walter Model, G Economics of Working Capital- Estimation of Cost-Volume-Profit Analysis. | fordon Model, M Working Capital, | Mod I, Fi | digliani and Miller Model; nancing of working Capital. | 15 | | |
| Total Contact hours 60 Suggested Evaluation Methods End Term Examination: 70 Internal Assessment: 30 End Term Examination: 70 Theory 30 Theory: 70 Class Participation: 5 Written Examination | IV | Cash, Receivables and Inventory Economics of Cash – Cash Budgeting and its S Model, Miller and Orr Model; Economics of R Model, Pricing of Raw materials, Monitoring a | Simulation, Optim Receivables; Econo and Control of Inv | nal nom ven | Cash balance, Baumol ics of Inventory – EOQ tories. | 15 | | |
| Suggested Evaluation Methods Internal Assessment: 30 End Term Examination: 70 > Theory 30 > Theory: 70 • Class Participation: 5 Written Examination | | Total Contact I | nours | | | 60 | | |
| Internal Assessment: 30 End Term Examination: 70 > Theory 30 > Theory: 70 • Class Participation: 5 Written Examination | Suggested | Evaluation Methods | | | | | | |
| > Theory 30 > Theory: 70 • Class Participation: 5 Written Examination | | Internal Assessment: 30 | | | End Term Exa | mination: 70 | | |
| Class Participation: 5 Written Examination | ➢ Theo | Dry | 3 | 50 | > Theory: | 70 | | |
| | Class P | Participation: | 5 | | Written Exa | amination | | |

| • Seminar/presentation/assignment/quiz/class test etc.: | 10 |
|---|--------------|
| • Mid-Term Exam: | 15 |
| Part C-Lear | ing Resource |

Part C-Learning Resources

Recommended Books/e-resources/LMS:

Berk, Jonathan, and DeMarzo, Peter (2007), Corporate Finance, Pearson International.

- Brealey, R.A., Myers, S.C. and Allen, F. (2003), Principles of Corporate Finance, 7th Ed, McGrowHill.
- Brittain, J.A. (1978). Corporate Dividend Policy. Brookings Institution, USA.
- Chandra, Prasanna (2011). Financial Management: Theory and Practice. Tata McGraw Hill.
- Copeland, T., Weston, F., and Shastri, K. (2004), Financial Theory and Corporate Policy, 4th Ed., New York: Addison-Wesley.
- Harold Bierman, Jr. & Smidt, Seymour (2007). The Capital Budgeting Decision: Economic Analysis of Investment Projects. Routledge.
- Kent Baker, H. & and Martin, Gerald S. (2011). Capital Structure and Corporate Financing Decisions. Wiley Publishers.
- Mehta, D. R. (1974). Working Capital Management. Prentice- Hall.
- Ross, Stephen, Westerfield, Randolph, Jaffe, Jaffrey (February 2002), Corporate Finance, 6th Ed., McGraw-Hill Companies.
- Van Horne, J.C. (2002). Financial Management and Policy. Pearson Education.

1 abolt Chairman,
| Session: 2025-26 | | | | | |
|--|--|---|---|--|--|
| | Par | rt A - Introduction | | | |
| Name of Progra | amme | M.A. Economics | | | |
| Semester | | Third | | | |
| Name of the Co | ourse | Agricultural Economics | | | |
| Course Code | | M24-ECO-304 | | | |
| Course Type | | DEC-3 | | | |
| Level of the co | ourse | 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 how farmers allocate resources respond to market forces. CLO 2: Explore how different approaches can create jobs, and boost food production. CLO 3: Understand, analyze the present conce production functions and factor - product relati micro economics and diversification in agricul CLO 4: To learn various issue in Indian Agricul | | | how farmers allocate resources orces. w different approaches can in ost food production. , analyze the present concep s and factor - product relation and diversification in agricultu- rious issue in Indian Agricult | ces, manage risk, and nprove farming practices, ts of agricultural nships using the tools of ure, uure. | |
| Credits | · · · · · · · · · · · · · · · · · · · | Theory | Tutorial | Total | |
| | | 4 | 0 | 4 | |
| Teaching Hour | rs per week | 3 | 1 | 4 | |
| Internal Assess | ament Marks | 30 | 0 | 20 | |
| End Term Exar | m Marks | 70 | 0 | 70 | |
| Max. Marks | | 100 | 0 | 100 | |
| Examination Ti | ime | 3 hours | | 100 | |
| | Part B | -Contents of the Co | ourse | | |
| question by takin least 4 parts cov and the compuls Unit | r raper- Setter: The examiner will set ng course learning outcomes (CLOs) into vering entire syllabus. The examinee will b ory question. All questions will carry equal | opics | two questions from each ur ompulsory question (Question of 5 questions, selecting one | on No. 1) will consist at question from each unit | |
| I Inte | roduction To Agriculture Economics | opics | | 15 | |
| Agr dev orga Den SEI | 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 | | | | |
| 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 SELF STUDY CONTENTS (not relevant for exams): Lewis theory of unlimited supply of | | | | 15 | |
| III Agricultural Production and Its Diversification | | | | 15 | |
| 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 Issu Indi Cau | ues in Indian Agriculture ian Agriculture: Features, Problems and uses of low productivity and Suggestions | Trends; Agricultur to increase product | al Productivity in India - ivity in India; Agricultural | 15 | |

278

Chainman, Department of Economics Kurukshetra University, KURUKSHETRA-13611°. 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

| Total Contact Hours | 60 | | | | |
|---|---------------|---------------------|--------------------------|-------------|--|
| Suggested Ev | aluation Meth | iods | | | |
| Internal Assessment: 30 | | | End Term Examination: 70 | | |
| > Theory | 30 | A | Theory: | 70 | |
| Class Participation: | 5 | Written Examination | | Examination | |
| • Seminar/presentation/assignment/quiz/class test etc.: | 10 | | | | |
| • Mid-Term Exam: | 15 | | * | | |
| Part C-Lear | ning Resour | ces | | | |

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/
- <u>https://youtu.be/dBCVnh4hdWI</u>
- 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: 2025-26 | | | | |
|--|---|--|--|--|
| Part A – Introduction | | | | |
| Name of Programme | M.A. Economics | | | |
| Semester | Third | | | |
| Name of the Course | Micro Mathematical Economics | | | |
| Course Code | M24-ECO-305 | | | |
| 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, explain, solve and design different forms of utility functions and demand functions and thereby attain in-depth knowledge of optimization and related concepts in consumer behaviour using mathematical derivations. CLO 2: Understand, illustrate and design various forms of production functions and appreciate the concepts of optimization, duality, product exhaustion, productivity and efficiency using mathematical equations. CLO 3: Understand, estimate, interpret and forecasts the time path of any economic variable and comprehend the behavior of the firm as well as factors of production under perfect and imperfect competition by utilizing mathematical tools. CLO 4: Compute and interpret equilibrium price, output and profits of | | | |

Chairman, Department of Economics

Kurukshetra University, KURUKSHETRA-136119.

| | | firms under Ol managerial theor | gopoly using mathematica | l tools and explain the |
|--|---|--|--|--|
| | | Theory | Tutorial | Total |
| | | 4 | 0 | 4 |
| Teaching I | Hours per week | 3 | 1 | 4 |
| Internal As | ssessment Marks | 30 | 0 | 30 |
| End Term | Éxam Marks | 70 | 0 | 70 |
| Max. Mark | SS | 100 | 0 | 100 |
| Examinatio | on Time | 3 hours | | |
| | Part B- | Contents of the C | ourse | |
| Instruction question by least 4 parts and the com | s for Paper- Setter: The examiner will set 9 taking course learning outcomes (CLOs) into c covering entire syllabus. The examinee will be pulsory question. All questions will carry equal | questions asking consideration. The c required to attemp marks. | two questions from each un compulsory question (Question of 5 questions; selecting one | nit and one compulsory on No. 1) will consist at question from each unit |
| Unit | To | opics | | Contact Hours |
| I | Topics in Consumer Behavior Types of utility functions; Ordinal utility may compensated; Slutsky equation — income, sul Elasticity of demand; Linear expenditure syster SELF STUDY CONTENTS (not relevant for e | ximization; Demand bstitution, and price ms; Indirect utility f xams) nd: Indifference our | I functions — ordinary and effects; Consumer surplus; unction. | 15 |
| | budget line; Basic rules of differential calcul matrix algebra. | us and maxima-min | nima, integral calculus, and | |
| I | Production Function Analysis Production functions and their properties (CD, and curvature of iso-quants; Producer's equilib Product exhaustion theorems; Growth Ac productivity and efficiency. SELF STUDY CONTENTS (not relevant for e | 15 | | |
| III | differential calculus and maxima-minima. Market Equilibrium | enavior including | isoquant; Basic rules of | |
| | Product and factor market equilibrium; Exist Static stability; Dynamic stability-lagged adj equilibrium with lagged adjustment; Monopo Pricing of factors of production. SELF STUDY CONTENTS (not relevant for e Markets and its various forms; Rules of difference of difference and differential equations. | tence, uniqueness a sustment and contin oly, monopsony and exams): ential calculus and r | nd stability of equilibrium; nuous adjustment; Dynamic 1 monopolistic competition; naxima-minima; Knowledge | 15 |
| IV | Classical Oligopoly and Managerial Theorie Duopoly and oligopoly: Cournot's Model; Sta profit maximization; Price leadership model; E Marris's models of firm. SELF STUDY CONTENTS (not relevant for e Collusive and Non-collusive oligopoly; Object | es of Firm ackelberg's model; Bilateral monopoly; exams): tives of the firm. | Kinked demand curve; Joint Baumol's, Willamson's, and | 15 |
| | ····· | | Total Contact Hours | 60 |
| | Sugges | ted Evaluation Me | thods | |
| N | Internal Assessment: 30 | | End Term Exa | amination: 70 |
| > The | bry | 30 | > Theory: | /0 |
| Class I | Participation: | 5 | Written Ex | amination |
| • Semina | ar/presentation/assignment/quiz/class test etc.: | 10 | | |
| • Mid-T | erm Exam: | 15 | | |
| Pacammer | Part C | -Learning Resou | rces | |
| * | Allen, R.G.D. (1972). Mathematical econom. Allen R.G.D. (2002). Mathematical analysis | ics. Macmillan, Lon for economists. Ma | don. cmillan Press and ELBS, Lor | ndon. |
| L | | | -1 | 1 |



| • | Alhabeeb, M.J., & Joe Moffitt, L. (2014). Managerial economics: A mathematical approach. John Wiley & |
|---|--|
| • | 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. |
| | Henderson, J. M. & Quandt, R.E. (2003). Microeconomic theory: A mathematical approach. McGraw Hill, |
| • | Koutsoyiannis, A. (1979). Modern microeconomics. Macmillan Press, London. |
| • | Lancaster, K. (2012). Mathematical economics. Dover Publications Inc., New York. |
| | Madnani, G.M.K. (2001). Mathematical economics: A mathematical approach to microeconomic theory. Oxford & IBH |
| | Publishers. |
| | Mehte B C & Mednani G M K (2018) Mathematics for economists Sultan Chand & Sons |

- Mehta, B. C. & Madnani, G. M. K. (2018). Mathematics for economists. Sultan Chand & Sons.
- Sen, A. (1999). *Microeconomics: Theory and applications*. Oxford University Press. Varian, H. (2006). *Microeconomic analysis*. W.W. Norton, New York.

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| Se | ession 2025-2026 | | | | |
|---|--|-----------------|-------|--|--|
| Par | t A – Introduction | a | | | |
| Name of Programme | M.A. Economics | | | | |
| Semester | Third | | | | |
| Name of the Course | Financial Instituti | ons and Markets | | | |
| Course Code | M24-ECO | -307 | | | |
| Course Type | DE | C-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: Explain the components and significance of the financial system, and analyze commercial banks' roles. CLO 2:Describe the characteristics and segments of the money market, explain the meaning, objectives, and functions of the capital market CLO 3:Explain the functions and types of investment banking and merchant banking services, mutual funds, the role of depositories and custodians, and understand risk management, trading, FDI, and FII in the foreign exchange market. CLO 4: Describe the types and functions of various NBFCs, venture capital funds, and understand the roles and functions of | | | | |
| Credits | Theory | Tutorial | Total | | |
| | 4 | 0 | 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 | Financial System | 15 |
| | Introduction to Financial System; Indicators of Financial Development; Concepts | |
| | Related to Financial Markets and Institutions - Concept of Risk, Concept and types of | |
| | return and yield, Theories of Structure of Interest Rates. | |
| | Commercial Banking System | |
| | Commercial Banking - Role of Banks; Process of Credit Creation; Banks' Financial | |
| | Statement, International Banking, NPA, Risk Management in Banking | |
| II | Money Market | 15 |
| | Introduction, Meaning and main characteristics of Money Market segments- Call | |
| | Money Market, Treasury bill market, Commercial Papers Market, Certificate of Deposit | |
| | Market, Gilt- edged Securities Market, Repo Market, Collateralised Borrowing and | |
| | Lending Obligation (CBLO); | |
| | Capital Market | * |
| | Meaning, Objectives, Importance and Functions of Capital Market; New financial | |
| | Stock Market and Securities (basic only), IBO, Stock Exchanges, Stock Market Indices | |
| | Derivatives Market - Types of Derivatives Important Concents used in Derivatives | |
| | Market Pricing of Futures Ontions and Swans | |
| | Market, I fieling of I dures, Options and Swaps. | |
| III | Financial Services | 15 |
| | | × |
| | | V/ |

283

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| | Investment Banking - Introduction, Functions, Type | s; Changi | ng Scer | ario of Investmen | t | |
|--------------------------|--|------------|------------------|--------------------|-------------------------|--|
| | Banking; Merchant Banking Services; Pre-Issue Obligations; Post-Issue Obligations; | | | | | |
| | Depositories and Custodians; Functions and Types of | | | | | |
| | Foreign Exchange Market | | | | | |
| | Risk Management in Foreign Exchange Market; Tra | ding in fo | reign E | xchange Markets; | | |
| | Foreign Capital – FDI & FII; | | | | | |
| IV | Financial Institutions | | | | 15 | |
| | Meaning, types and Functions of NBFC's; Ch | redit Uni | ons, S | avings and Loa | n | |
| ð | Associations, Pension Funds, Finance Company, I | nvestmen | t Trust | s, Common Trust | s | |
| | Fund, Housing Finance, Leasing and Hire Purchase.; | Venture of | capital t | funds. | | |
| | Regulatory Framework of Financial Institutions | in India | | | | |
| | Role, Main Features and Functions of - Securities and Exchange Board of India | | | | | |
| | (SEBI), Pension Fund Regulatory and Developme | ent Autho | rity (P | FRDA), Insurance | e | |
| | Regulatory and Development Authority (IRDA), Re | serve Ban | k of Ind | lia (RBI). | | |
| | | | Τα | tal Contact hour | s 60 | |
| | Suggested Evalu | ation Me | thods | | | |
| | Internal Assessment: 30 | | | End Term Ex | amination: 70 | |
| > Tł | heory | 30 | \triangleright | Theory: | 70 | |
| • Class | s Participation: | 5 | | Written Ex | camination | |
| • Sem | inar/presentation/assignment/quiz/class test etc .: | 10 | | | | |
| • Mid- | -Term Exam: | 15 | | | | |
| | Part C-Learnin | ng Resou | rces | | | |
| Recom | mended Books/e-resources/LMS: | | | | | |
| Bhol | le, L.M. & Mahakud, J. (2017), Financial Institutions and | d Markets | : Struct | ure, Growth and I | nnovations, McGraw Hill | |
| Educ | cation (India) Pvt. Limited. | | | 2 | | |
| Fabo | ozzi, Frank J., Modigliani, Franco P. & Jones, Frank J. | (2013).Fo | undati | ons of Financial N | Aarkets and | |

Institutions, Pearson Education Limited.

Mishkin, Frederic S. (2016), The Economics of Money, Banking and Financial Markets, Pearson.

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| Session: 2025-26 | | | | | |
|---|---|--|---|---|--|
| Part A – Introduction | | | | | |
| Name of H | Programme | M.A. Economics | | | |
| Semester | | Third | | | |
| Name of t | Industrial Economics | | | | |
| Course Code M24-ECO-308 | | | | | |
| Course Type DEC-4 | | | | | |
| Level of t | he course | 500-599 | | | |
| Pre-requis | site for the course (if any) | | n.a. | | |
| Course Lo | earning Outcomes (CLO) | CLO 1: Learn th | e scope and breadth of ir | ndustrial economics and | |
| After com | pleting this course, the learner will be able | able to use the too | ols of economic analysis ar | nd the classical theory of | |
| to: | | markets in the ana | lysis of organizations | | |
| | | CLO 2: Compr | ehend, compare and pr | resent the theories of | |
| | | CLO 2: Unders | nd location along with their | r technical applications. | |
| | | appreciate the c | and market structure-co | nduct-performance and | |
| | | measurement usin | g adequate techniques | intation along with its | |
| | | CLO 4: Understa | nd, compare and analyse | various product pricing | |
| | | methods along wi | th their merits and limitation | ons. | |
| Credits | | Theory | Tutorial | Total | |
| | | 4 | 0 | 4 | |
| Teaching | Hours per week | 3 | 1 | 4 | |
| Internal | Access and Marke | 20 | 1 | | |
| Internal A | Assessment Marks | 30 | 0 | 30 | |
| End Term | h Exam Marks | 70 | 0 | 70 | |
| Max. Mai | rks | 100 | 0 | 100 | |
| Examinat | ion lime | 3 hours | | | |
| | Part B- | Contents of the (| Course | | |
| Instructio | ns for Paper- Setter: The examiner will | l set 9 questions | asking two questions fro | m each unit and one | |
| compulsor | requestion by taking assures learning system | $(\Omega I \cap)$ | | | |
| compuisor | y question by taking course learning outcon | nes (CLOs) into co | onsideration. The compulse | ory question (Question | |
| No. 1) will | consist at least 4 parts covering entire sylla | bus. The examinee | will be required to attemp | t 5 questions, selecting | |
| No. 1) will one question | consist at least 4 parts covering entire syllal on from each unit and the compulsory questi | bus. The examinee | will be required to attemp will carry equal marks. | t 5 questions, selecting | |
| No. 1) will one questic Unit | consist at least 4 parts covering entire syllal on from each unit and the compulsory questi | bus. The examinee on. All questions w | will be required to attemp vill carry equal marks. | t 5 question (Question t 5 questions, selecting Contact Hours | |
| No. 1) will one questic Unit I | consist at least 4 parts covering entire syllation from each unit and the compulsory question Transformer of Industrial Organization and Theories of | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin | will be required to attemp vill carry equal marks. | Contact Hours | |
| No. 1) will one questic Unit I | Industrial Organization and Theories of economics; Industrial organization and own | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin nership structure – | will be required to attemp will carry equal marks. g and scope of industrial public, private, joint and | Contact Hours | |
| No. 1) will one questic Unit I | I consist at least 4 parts covering entire sylla on from each unit and the compulsory question Industrial Organization and Theories of economics; Industrial organization and own co-operative sectors; Objectives of the firm Coasian firm and transaction cost approach | the Firm; Meanin hership structure – transformer and known the Strategic and the Strategic and the Strategic and known the Strategic and the Strategic a | ansideration. The compulse will be required to attemp will carry equal marks. g and scope of industrial public, private, joint and rm: Managerial Theories, wiledge based theories | Contact Hours 15 | |
| No. 1) will one questic Unit I | I consist at least 4 parts covering entire syllation from each unit and the compulsory question from each unit and transaction cost approach SELE STUDY CONTENTS (not relevant from the form the form of the form o | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin nership structure – i; Theories of the fi , Strategic and kno for exams); | g and scope of industrial public, private, joint and rm: Managerial Theories, wledge based theories | Contact Hours 15 | |
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| No. 1) will one questic Unit I | Industrial Organization and Theories of the firm Consist at least 4 parts covering entire syllar Industrial Organization and Theories of economics; Industrial organization and own co-operative sectors; Objectives of the firm Coasian firm and transaction cost approach SELF STUDY CONTENTS (not relevant f Theories of Industrialization and Industrialization – Hoffmar | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin nership structure – i; Theories of the fi b, Strategic and kno for exams): rial Location h, Chenery and C | and scope of industrial public, private, joint and rm: Managerial Theories, wledge based theories | Contact Hours | |
| II | Industrial Organization and Theories of Industrialization cost approach SELF STUDY CONTENTS (not relevant f Theories of Industrialization and Industrialization and Industrialization and Industrialization and Industrialization and Industrialization – Hoffman industrial location – Weber, Sargent and | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin nership structure – i; Theories of the fi , Strategic and kno for exams): rial Location n, Chenery and C August Losch the | onsideration. The compulse will be required to attemp vill carry equal marks. g and scope of industrial public, private, joint and rm: Managerial Theories, wledge based theories Gershenkron; Theories of ories, Hotelling's location | Contact Hours 15 15 | |
| I | Industrial Organization and Theories of Industrialization cost approach SELF STUDY CONTENTS (not relevant f Theories of Industrialization and Industrial Theories of Industrialization and Industrialization and Industrialization and Industrialization and Industrialization – Hoffman industrial location – Weber, Sargent and model, Salop's location model; Factor | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin nership structure – i; Theories of the fi , Strategic and kno for exams): rial Location n, Chenery and C August Losch the ors affecting loca | onsideration. The compulse will be required to attemp vill carry equal marks. g and scope of industrial public, private, joint and rm: Managerial Theories, wledge based theories Gershenkron; Theories of ories, Hotelling's location ation; Balanced regional | 15 15 15 15 | |
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| III | Industrial Organization and Theories of economics; Industrial organization and own co-operative sectors; Objectives of the firm Coasian firm and transaction cost approach SELF STUDY CONTENTS (not relevant f Theories of Industrialization and Industri Theories of Industrialization – Hoffman industrial location – Weber, Sargent and model, Salop's location model; Facto development of industries. SELF STUDY CONTENTS (not relevant f Structure-Conduct-Performance Paradi The structural conduct performance approa & performance; Neo-classical development and its measurement: the concentration ration is sources and its implications, Entry structure and profitability; Market structure SELF STUDY CONTENTS (not relevant f Methods of Product Pricing : Cost-oriented methods: Mark-up, cost-plus oriented Methods: Going-rate pricing, Prem | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin mership structure – i; Theories of the fi , Strategic and kno for exams): rial Location n, Chenery and C August Losch the ors affecting loca for exams): gm ach; Relationships I ts of the SCP appro- io, the Lorenz curv y conditions; Eco e and innovation – for exams): s, Break-even, targen | between structure, conduct between structure, conduct between structure, soluct between structure, conduct between structure, con | 15 15 15 15 | |
| III | Industrial Organization and Theories of economics; Industrial organization and own co-operative sectors; Objectives of the firm Coasian firm and transaction cost approach SELF STUDY CONTENTS (not relevant f Theories of Industrialization and Industri Theories of Industrialization — Hoffman industrial location — Weber, Sargent and model, Salop's location model; Facto development of industries. SELF STUDY CONTENTS (not relevant f Structure-Conduct-Performance Paradia The structural conduct performance approa & performance; Neo-classical development and its measurement: the concentration ration is sources and its implications, Entry structure and profitability; Market structure SELF STUDY CONTENTS (not relevant f Methods of Product Pricing : Cost-oriented methods: Mark-up, cost-plus oriented Methods: Going-rate pricing, Pren Pricing; Peak-Load Pricing; Multi-Product | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin nership structure – i; Theories of the fi , Strategic and kno for exams): rial Location n, Chenery and C August Losch the ors affecting loca for exams): gm ach; Relationships ts of the SCP appro- io, the Lorenz curvy y conditions; Eco e and innovation – for exams): s, Break-even, targen nium pricing, Disc Pricing; Predatory | between structure, conduct between structure, co | 15 15 15 15 | |
| III | Industrial Organization and Theories of economics; Industrial organization and own co-operative sectors; Objectives of the firm Coasian firm and transaction cost approach SELF STUDY CONTENTS (not relevant f Theories of Industrialization and Industri Theories of Industrialization – Hoffman industrial location – Weber, Sargent and model, Salop's location model; Factor development of industries. SELF STUDY CONTENTS (not relevant f Structure-Conduct-Performance Paradi The structural conduct performance approa & performance; Neo-classical development and its measurement: the concentration rati- its sources and its implications, Entry structure and profitability; Market structure SELF STUDY CONTENTS (not relevant f Methods of Product Pricing : Cost-oriented methods: Mark-up, cost-plus oriented Methods: Going-rate pricing, Pren Pricing; Peak-Load Pricing; Multi-Product product: Skimming and Penetration pricing | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin nership structure – i; Theories of the fi , Strategic and kno for exams): rial Location n, Chenery and C August Losch the ors affecting loca for exams): gm tch; Relationships I ts of the SCP appro- io, the Lorenz curvy y conditions; Eco e and innovation – for exams): s, Break-even, targen nium pricing, Disc Pricing; Predatory gs; Non-Linear Price | between structure, conduct between structure, co | Contact Hours Contact Hours 15 15 15 15 15 | |
| III | Industrial Organization and Theories of economics; Industrial organization and own co-operative sectors; Objectives of the firm Coasian firm and transaction cost approach SELF STUDY CONTENTS (not relevant f Theories of Industrialization and Industri Theories of Industrialization — Hoffman industrial location — Weber, Sargent and model, Salop's location model; Factor development of industries. SELF STUDY CONTENTS (not relevant f Structure-Conduct-Performance Paradii The structural conduct performance approa & performance; Neo-classical development and its measurement: the concentration rati- its sources and its implications, Entry structure and profitability; Market structure SELF STUDY CONTENTS (not relevant f Methods of Product Pricing : Cost-oriented methods: Mark-up, cost-plus oriented Methods: Going-rate pricing, Pren Pricing; Peak-Load Pricing; Multi-Product product: Skimming and Penetration pricing Discrimination. | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin nership structure – i; Theories of the fi , Strategic and kno for exams): rial Location n, Chenery and C August Losch the ors affecting loca for exams): gm ach; Relationships l ts of the SCP appro- io, the Lorenz curv y conditions; Eco e and innovation – for exams): g, Break-even, targen nium pricing, Disc Pricing; Predatory gs; Non-Linear Price | between structure, conduct between structure, co | Contact Hours Contact Hours 15 15 15 15 | |
| III | Industrial Organization and Theories of economics; Industrial organization and own co-operative sectors; Objectives of the firm Coasian firm and transaction cost approach SELF STUDY CONTENTS (not relevant f Theories of Industrialization and Industri Theories of Industrialization — Hoffman industrial location — Weber, Sargent and model, Salop's location model; Factor development of industries. SELF STUDY CONTENTS (not relevant f Structure-Conduct-Performance Paradia The structural conduct performance approa & performance; Neo-classical development and its measurement: the concentration rati – its sources and its implications, Entry structure and profitability; Market structure SELF STUDY CONTENTS (not relevant f Methods of Product Pricing : Cost-oriented methods: Mark-up, cost-plus oriented Methods: Going-rate pricing, Pren Pricing; Peak-Load Pricing; Multi-Product product: Skimming and Penetration pricing Discrimination. | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin nership structure – i; Theories of the fi , Strategic and kno for exams): rial Location n, Chenery and C August Losch the ors affecting loca for exams): gm ach; Relationships I ts of the SCP appro- io, the Lorenz curv y conditions; Eco e and innovation – for exams): s, Break-even, targen nium pricing, Disc Pricing; Predatory gs; Non-Linear Price | between structure, conduct between structure, conduct between structure, Scale; Market Process and measurement. | Contact Hours Contact Hours 15 15 15 15 | |
| III | Industrial Organization and Theories of economics; Industrial organization and own co-operative sectors; Objectives of the firm Coasian firm and transaction cost approach SELF STUDY CONTENTS (not relevant f Theories of Industrialization and Industri Theories of Industrialization – Hoffman industrial location – Weber, Sargent and model, Salop's location model; Facto development of industries. SELF STUDY CONTENTS (not relevant f Structure-Conduct-Performance Paradi The structural conduct performance approa & performance; Neo-classical development and its measurement: the concentration rati- its sources and its implications, Entry structure and profitability; Market structure SELF STUDY CONTENTS (not relevant f Methods of Product Pricing : Cost-oriented methods: Mark-up, cost-plus oriented Methods: Going-rate pricing, Pren Pricing; Peak-Load Pricing; Multi-Product product: Skimming and Penetration pricing Discrimination. | nes (CLOs) into co bus. The examinee on. All questions w opics the Firm; Meanin nership structure – i; Theories of the fi , Strategic and kno for exams): rial Location n, Chenery and C August Losch the ors affecting loca for exams): gm ach; Relationships I ts of the SCP appro- io, the Lorenz curvy y conditions; Eco e and innovation – for exams): s, Break-even, targen nium pricing, Disc Pricing; Predatory gs; Non-Linear Price | between structure, conduct between structure, conduct between structure, structure conditions of Scale; Market Process and measurement. | Contact Hours Contact Hours 15 15 15 15 | |

Department of Economics Kurukshetra University, IRUKSUETRA-136119.

| SELF STUDY CONTENTS (not relevant for exam | s): | | |
|---|-----------|-------------------------|-----------------|
| | | Total Contact Ho | urs 60 |
| Suggested Eval | uation Me | thods | |
| 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-Learni | ng Resou | irces | |

- 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: 2025- | 26 | | | |
|---|--|------------|------|--|--|
| | Part A - Introdu | iction | | | |
| Name of Programme | | M.A. Econo | mics | | |
| Semester | Third | | | | |
| Name of the Course | Basic Econometrics | | | | |
| Course Code | M24-ECO | -309 | | | |
| 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 econometrics basics, including data types, probable distributions, simple linear regression with OLS estimates, and function forms of regression models, facilitating analysis of economic data. CLO 2: Grasp multiple regression analysis, general linear regression me maximum likelihood estimates and their properties, as well as R ² , adjusted for model fit. CLO 3: identify and address common econometric problems such heteroscedasticity, multicollinearity, autocorrelation, and specification error CLO 4: to analyze distributed lag models and apply master causality tes effectively assess causal relationships in econometric models. | | | | |
| | TheoryPracticalTotal314 | | | | |
| | | | | | |
| Teaching Hours per week | 3 | 2 | 5 | | |
| Internal Assessment Marks | 20 | 10 | 30 | | |
| End Term Exam Marks | 50 | 20 | 70 | | |

285

Chaliman, Department of Economics Kurukshetra University, KURUKSHETRA-136119.

| Max. Mar | Max Marks 100 0 100 | | | | | |
|---|--|---|--------------------------------|--|--|--|
| Examination Time 3 hours | | | | 0 | 100 | |
| | Part B-Contents of the Course | | | | | |
| Instruction question by least 4 part and the cor | ns for Paper- Setter: The examiner will y taking course learning outcomes (CLOs) it ts covering entire syllabus. The examinee w npulsory question. All questions will carry e | set 9 questions a nto consideration. ill be required to qual marks | sking tw The con attempt | vo questions from mpulsory question 5 questions; selec | each unit and one compulsory (Question No. 1) will consist at ting one question from each unit | |
| Unit | To | opics | | | Contact Hours | |
| I | Introduction to Econometrics | | | | | |
| Definition, Scope and Methodology of Econometrics, Types of Data; Time Series data, Cross Section Data and Panel Data. Probability distributions - normal and t-distribution; Simple Linear Regression Model; OLS Estimates and Their Properties. Functional forms of Regression Models, Growth Rates. | | | | | 12 | |
| II | Multiple Regression Analysis General Linear regression Model, Maximu R ² and adjusted R ² ; Significance Testir Analysis. | m Likelihood Esti ng of Parameters | mates and in Mu | nd their properties altiple Regression | . 11 | |
| III | Econometric Problems | | | | | |
| 2 | Mature, Test, Consequences and remedia Multicollinearity, and Autocorrelation, T Measurement. | l steps of proble Types of Specifi | cation | Heteroscedasticity Errors, Errors o | , £ 11 | |
| IV | Distributed Lag Models and Causality Te Auto Regressive and Distributed lag Mod Adaptive Expectations; Almon Approach Granger and Sim's Test. | e sts dels- Koyak Moo to distributed-la | lel, Part g mode | ial Adjust Model l; Causality tests | , 11 | |
| | Estimation of equation by OLS method Computation of Growth Rates by OLS Testing of Significance of OLS Parameters-1 Testing of Significance of OLS Parameters-2 | | | | | |
| Total Con | 5. Testing of Significance of overall equation 6. Detection & Removal of Heteroscedasticity-1 7. Detection & Removal of Heteroscedasticity-2 8. Detection & Removal of Multicollinearity-1 9. Detection & Removal of Multicollinearity-2 10. Detection & Removal of Autocorrelation-1 11. Detection & Removal of Autocorrelation-2 12. Estimation of ARDL Models-1 13. Estimation of ARDL Models-2 14. Estimation of ARDL Models-3 15. Estimation of ARDL Models-4 | | | | | |
| 1 otal Con | tact Hours | gostad Evaluatio | n Moth | da | 75 | |
| <u>ل</u> | Internal Assessment: 30 | Sesten Evaluatio | I WICHIG | End Ter | n Examination: 70 | |
| > Th | eory | 20 | > | Theory: | 50 | |
| Class | Participation: | 5 | | Writt | en Examination | |
| • Semin | nar/presentation/assignment/quiz/class test et | tc.: 5 | 1 | | | |
| • Mid- | Term Exam: | 10 | - | | | |
| > Pra | Practical 10 > Practical | | | | 20 | |
| • Class | Participation: | 5 | Lah | record. Viva-Voc | e, write-up and execution of the | |
| • Semi | nar/Demonstration/Viva-voce/Lab records et | c: 5 | - | | Practical | |
| • Mid- | • Mid-Term Exam: | | | | | |
| | Part C-Learning Resources | | | | | |
| Recommended Books/E-Resources/LMS: Amemiya, T. (1985).Advanced Econometrics. Harvard University Press, Cambridge, Mass. Baltagi, B.H. (1988).Econometrics. Springer, New York. Goldberger, A.S. (1998).Introductory Econometrics. Oxford University 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. & Rubinfield, D.L. (1976). Econometric Models and Economic Forecasts. McGraw Hill Kogakusha Tokyo.
- Theil H. (1981).Introduction to Econometrics. Prentice Hall of India, New Delhi.

| Session: 2025-26 | | | | | |
|---|---|--|---|--|--|
| Part | A - Introduction | | | | |
| Name of Programme | M.A. Economics | | | | |
| Semester | THIRD | | | | |
| Name of the Course | Economic Modelli | ng-I | | | |
| Course Code | M24-ECO-311 | M24-ECO-311 | | | |
| 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, apply and solve cluster, discriminant and factor analysis besides computing the basics of time series data using software. CLO 2: Understand and compute various tools used in time series econometrics using software. CLO 3: Understand and compute yields, stock values from historical data using a software. CLO 4: Understand and apply various capital budgeting criteria and decision making using a software. CLO 5: Demonstrate the ability to solve the problems mentioned in contents with the help of a software. | | | | |
| Credits | Theory | Practical | I otal | | |
| | 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 C | ourse | | | |
| Instructions for Paper- Setter: The examiner will compulsory question by taking course learning outcom No. 1) will consist at least 4 parts covering entire syllal one question from each unit and the compulsory question | set 9 questions a nes (CLOs) into co bus. The examinee on. All questions w | asking two questions fro nsideration. The compuls will be required to attemp ill carry equal marks. | m each unit and one ory question (Question t 5 questions, selecting | | |

| Unit | | Topics | Contact Hours |
|------|--------------------------|--|----------------------|
| I | 1. | Cluster analysis | |
| | 2. | Factor analysis | 12 |
| | 3. | Discriminant analysis | |
| | 4. | Time series analysis- the property of stationarity, stochastic | |
| | | and deterministic trend, unit root tests | |
| | SELF STUDY CONTEN | TS (not relevant for exams): | |
| | Excel functions, SPSS, E | -VIEWS, STATA | |
| II | 5. | Cointegration Analysis | |
| | 6. | Vector Error Correction Model (VECM) | 11 |

288

Chairman, Department of Economics Kurukshetra University, KURUKSHETRA-136119.

| | Auto Regressive Distributed Vector Autoregression (VAI) | Lag (R) Mo | ARDL) N del | Iodel | |
|-------------------------|--|----------------|----------------|---------------------------|---------------------------------------|
| | | | | | |
| | SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA | | | | |
| III | 9. Interest Rates: Real, Nomina | t | | | |
| | 10. Calculate YTM and Effectiv | e Ann | ual Yield | From Bond | 11 |
| | Cash Flows; Bonds & Intere | est Rat | e Risk,Ta | x Implications | |
| | 11. Stock Value Based on Prese | ent Va | lue of Fut | ure Dividend | |
| | Cash Flows. | | | | |
| | 12. Stock Valuation with Divide | end Gr | owth Mo | del | |
| | SELE STUDY CONTENTS (not relevant for exams): | | | | 101 |
| | Excel functions, SPSS, E-VIEWS, STATA | | | | |
| IV | 13. Investment criteria | | | , | |
| | 14. IRR and Non-conventional (| Cash F | Flows, Plo | t Chart To See | 11 |
| | Internal Rate of Return | riteria | . WIKK - | Modified | |
| | 15.Scenario Analysis For Cash Flow & N | PV Ca | alculation | S | |
| | 16. Sensitivity Analysis For Cash Flow & | & NPV | Calculat | ions | |
| | SELE STUDY CONTENTS (not relevant for exams); | | | | |
| | Excel functions, SPSS, E-VIEWS, STATA | | | | |
| V* | Practicals | | | 30 | |
| | 1. Students will prepare a Practical file containing 4 Pra | cticals | from eac | ch unit. | |
| | Fracticals may be done using the software chosen by The external examiner shall take the written exam for | llowe | d by viva | voce. | |
| | 4. Syllabus contains all the contents mentioned in the fo | our un | its. | | |
| | Total Contact Hours | | | | 75 |
| | Suggested Evaluation | on M | ethods | | |
| | Internal Assessment: 30 | | | End Term Ex | camination: 70 |
| | neory | 20 | - | I heery: | 50 |
| • Clas | s Participation: | 5 | - | Written E | xamination |
| • Sem | inar/presentation/assignment/quiz/class test etc.: | 5 | - | | |
| • Mid | -Term Exam: | 10 | | | |
| | ractical | 10 | × 1 | Practical | 20 |
| • Clas | s Participation: | 5 | Lab reco | ord, Viva-Voce, the Pr | write-up and execution of ractical |
| • Sem | Inar/Demonstration/Viva-voce/Lab records etc.: | 3 | - | | |
| • Mild | -Term Exam: Part C-Learning | - Reso | urces | | |
| Recom | mended Books/e-resources/LMS: | Iteso | 41000 | | |
| • Gary | y Koop: Analysis of economic data, John Wiley & Sons, 2 | 005 | | | |
| Tho Usir | mas Cleff: Applied Statistics and Multivariate Data Ana ng SPSS, Stata, and Excel, Springer | lysis | for Busin | ess and Econon | nics: A Modern Approach |
| • Kur | t Jechlitschka, Dieter Kirschke and Gerald Schwarz: Mi | croeco | onomics u | using Excel: Inte | egrating economic theory |
| • Shm | ule Olyma: Hands-On Financial Modeling with Excel for | Micro | soft 365 | Packt Publishing | Y |
| Abd | lulkader Aljandali and Motasam Tatahi: Economic and Fi | nancia | al Modelli | ng with EViews | -A Guide for Students and |
| Prot | usin P Marques de Sá: Applied statistics using SPSS ST | ATIST | ICA MA | TIAR and RS | nringer |
| Rob | ert P. Burns, Richard Burns : Business Research Methods | and S | tatistics U | Using SPSS, Sage | e |

9/

Chainman, Department of Economics Kurukshetra University, KURUKSHETRA-136119.

289

| | S | ession: 2024-25 | | |
|-------------|---|---------------------|-------------------------------|--------------------------|
| | Part | A - Introduction | 1 | |
| Name of Pr | ogramme | M.A. Economics | | |
| Semester | | Third | | |
| Name of th | ne Course | Securities and Por | tfolio Analysis | |
| Course Co | de | M24-ECO-312 | | |
| Course Ty | pe | DEC-5 | | |
| Level of th | e course | 500-599 | | |
| Pre-requisi | te for the course (if any) | n.a. | | |
| Course Le | arning Outcomes (CLO) | CLO 1: Understa | nd the risk and return re | lationship and compute |
| After comp | leting this course, the learner will be able | yields of bond por | tfolio | h h |
| to: | | CLO 2: Understan | nd and apply the portfolio | construction, and asset |
| | | pricing. | | |
| | | CLO 3: Underst | and and apply the fund | lamental and technical |
| | | analysis, and effic | iency tests of stock market | S. |
| | | CLO 4: Und | erstand and apply the | portfolio performance |
| | | evaluatio | n through various methods | |
| | | | | |
| | | CLO 5: Demonst | trate the ability to apply th | e contents with the help |
| Cradita | | Theory | Proctical | Total |
| Credits | | Theory | Fractical | Total |
| | ** | 3 | 1 | 4 |
| Teaching | Hours per week | 3 | 2 | 5 |
| Internal A | ssessment Marks | 20 | 10 | 30 |
| End Term | Exam Marks | 50 | 20 | 70 |
| Max. Marl | KS | 70 | 30 | 100 |
| Examinati | on Time | 3 hours | 3 hours | |
| | Part B- | Contents of the C | Course | |
| Instruction | s for Paper- Setter: The examiner will | set 9 questions | asking two questions fro | m each unit and one |
| compulsory | question by taking course learning outcon | nes (CLOs) into co | onsideration. The compulse | ory question (Question |
| No. 1) will | consist at least 4 parts covering entire syllal | bus. The examinee | will be required to attempt | t 5 questions, selecting |
| one questio | n from each unit and the compulsory question | on. All questions w | vill carry equal marks. | ~ ~ ~ |
| Unit | T | opics | | Contact Hours |
| I | Investment Analysis | | | 11 |
| | The Investment Alternatives; Securities M | arket; Risk- Return | n Analysis; Risk Aversion | |
| | and Capital Allocation to Risky Assets; To | erm Structure of in | nterest Rates, Bond Prices | |
| | and Yields; Managing Bond Portfolio. | | | |
| | SELE STUDY CONTENTS (not relevant f | or exame). | | |
| | Time Value of Money | or exams). | | |
| · II | Portfolio Ontimization | | | 11 |
| ** | Equity valuation Models: Portfolio Analys | sis: Markowitz Mo | del. Sharne Index Model | 11 |
| | Capital asset pricing Model. Arbitrage Pric | ing Theory. | dei, sharpe maex model, | |
| III | Security Analysis and Theory of Options | | | 12 |
| | Macroeconomic, Industry and Company | Analysis: Tech | nical Security Analysis: | |
| | Efficient market Theory; Introduction to O | ptions and Futures | Market. | |
| IV | Portfolio performance Evaluation; Econom | ics of Mutual Fund | ds - Sharpe, Treynor and | 11 |
| | Jensen Performance Index; Active Portfolio | o Management- Tr | eynor-Black Model; | |
| 1 | Black-Litterman Model. | | | |
| V | Practicals | | | |

 1.Students will prepare a Practical file containing 2 Practicals from each unit.
 30

 2. Practicals may be done using the software chosen by the teacher.
 30

 3. The external examiner shall take the written exam followed by viva voce.
 4

 4. Syllabus contains all the contents mentioned in the four units.
 75

 Suggested Evaluation Methods

200

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| 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 | | | |
| > Practical | 10 | Practical | 20 | |
| Class Participation: | 5 | Lab record, Viva-Voce, write-up and execution the Practical | | |
| Seminar/Demonstration/Viva-voce/Lab records etc.: | 5 | | | |
| • Mid-Term Exam: | - | 1 | | |
| Part C Loopni | na Dosor | IFCOR | | |

- Reilly, Frank K. and Brown, Keith C. (RB) (2002), Investment Analysis and Portfolio Management, 7th Ed. Dryden.
- Bodie, Z., Kane, A. & Marcus, A.J. (2017). Investments. McGraw Hill Education.
- Das, Satyajit (2003), Swaps/Financial Derivatives, 3rd Ed., Vol. 1-4, Wiley Finance.
- Frank, Fabozzi (2011), Markowitz, Harry, Equity Valuation and Portfolio Management, Wiley.
- Frank, Fabozzi, (Ed.) (1989), Portfolio Investment Management, Probus Publishing.
- Grinold, R.C. & Kahn, R.N. (1999). Active portfolio Management. McGraw Hill.
- Haugen, Robert (1987), Modern Investment Theory, Prentice-Hall of India.

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| | s | Session: 2025-26 | | |
|--|--|---|--|---|
| | Par | t A – Introductio | n | |
| Name of Pr | rogramme | M.A. Economics | | |
| Semester | | Third | | |
| Name of th | he Course | Economic Policy | Analysis | |
| Course Co | ode | M24-ECO | -313 | |
| Course Ty | ре | DEC-5 | , | |
| Level of th | ne course | 500 | -599 | |
| Pre-requisi | ite for the course (if any) | | 1 | |
| Course Le | arning Outcomes (CLO) | CLO 1: To und | lerstand the basics and theor | etical constructs of |
| After comp to: | completing this course, the learner will be able policy analysis. CLO 2: To learn to analyse Agriculture and Policies in India | | nalysis. to analyse Agriculture and In | ndustrial Sector |
| Credits | | CLO 3: To lean CLO 4: To lean Policies Theory | rn to analyse social Sector Po rn to analyse macroeconomi in India | olicies in India c and financial Sector Total |
| | | 4 | 0 | 10101 |
| Teaching | Hours per week | 2 | 1 | 4 |
| Teaching | Hours per week | 3 | l | 4 |
| Internal As | ssessment Marks | 30 | 0 | 30 |
| End Term | Exam Marks | 70 | 0 | 70 |
| Max. Mark | KS | 70 | 30 | 100 |
| Examinatio | on lime | 3 hours | 3 hours | |
| No. 1) will one question | consist at least 4 parts covering entire syllain from each unit and the compulsory question Technology Technol | bus. The examinee on. All questions v opics | will be required to attempt vill carry equal marks. | contact Hours |
| I | Introduction to Policy Analysis Policy Analysis: Meaning and Definit Theoretical Background for Policy Analys Analysis; Steps in Policy Analysis; Meth | ion; Public Polic sis; Ethical and Pol ods in Policy Anal | y - Basic Concepts and litical Dimensions of Policy ysis | 15 |
| II Agriculture and Industrial Sector Policies in India Agricultural Policy: National Policies on Agriculture, Agriculture Policy Vision 2020, Subsidies, Minimum Support Prices, Public Distribution System, Impact of Agricultural Policy on Agricultural Sector. Industrial Policy: Industrial Policy in India since Independence, Industrial Licensing Policy, New Economic Policy, Impact of Policy Changes on Industrial Production, Structural Changes, Corporate Social Responsibility (CSR) | | | 15 | |
| III Social Sector Policies in India Population Policies - Demographic Dividend, Population Policy 2000; Poverty and Unemployment Policies - MGNREGA, Unorganised Sector Labour Policies; Health Policies; Education Policies & Right to Education (RTE); Right to Employment; Right to Information; MDGs and SDGs | | | 15 | |
| IV Macroeconomic and Financial Policies Issues in India Social and Political Landscape in India; New Economic Policy 1995; Structural Adjustments - Liberalization, Privatization (EXIT Policy) and Globalization; Impact of WTO: TRIPs, TRIMs, & GATS. Financial Sector: Banking Sector Policies, Mergers & Amalgamation, NBFIs, Insurance Sector, Financial Sector Reforms, Inflation Targeting Policy, Monetary Policy. | | | 15 | |

292

*/ 0 Chairman,

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| V Practicals | | | |
|---|------------|---------|------------------------|
| Total Contact Hours | | | 60 |
| Suggested Eval | uation Met | hods | |
| Internal Assessment: 30 | | End | d Term Examination: 70 |
| > Theory | 30 | > Theor | ry: 70 |
| Class Participation: | 5 | | Written Examination |
| • Seminar/presentation/assignment/quiz/class test etc.: | 10 | | |
| • Mid-Term Exam: | 15 | | |
| > Practical | | | |
| Class Participation: | | | |
| • Seminar/Demonstration/Viva-voce/Lab records etc.: | | | |
| • Mid-Term Exam: | - | | |
| Part C. Loarni | ng Dosour | 000 | |

- Acharya Shankar, (2003) India's Economy: Some Issues and Answers, Academic Foundation, New Delhi.
- Anthony E. Boardman, David H. Greenberg, Aidan R. Vining, and David L. Weimer, (2001) Cost- Benefit Analysis: Concepts and Practice, Englewood Cliffs, New Jersey, Prentice-Hall.
- Bardach, Eugene, (2011) A Practical Guide for Policy Analysis: The Eightfold Path to More Effective Problem Solving, Washington D.C.
- David L. Weimer and Aidan R. Vining, (2010) Policy Analysis: Concepts and Practice, Englewood Cliffs, New Jersey: Prentice-Hall.
- Dhar P. N, (2003) The Evolution of Economic Policy in India-Selected Essays, OUP, New Delhi
- Dhar P.K., (2016) Indian Economy: Its Growing Dimensions, Kalyani Publications, Ludhiana.
- Dunn, William N, (2011) Public Policy Analysis: An Introduction, Prentice Hall.
- Dutt Ruddar, and K.P.M. (2004) Sundaram, Indian Economy, S. Chand and Company, New Delhi.
- Dye, T. (2013) Understanding Public Policy, Englewood Cliffs, NJ, Prentice Hall.
- Hanson James A., and Sanjay Kathuria (Ed) (2001) India-A Financial Sector for the Twenty-First Century, World Bank, Oxford University Press, New York.
- Hanumantha Rao C. H. (2006) Agriculture, Food Security, Poverty Environment Essays on Post Reform India, OUP
- Kapila Uma, (2015) Indian Economy since Independence, Academic Foundation, New Delhi.
- Kapila Uma, (2005) Understanding the Problem of Indian Economy, Academic Foundation, New Delhi.
- Misra S.K. & V.K. Puri, (2011) Indian Economy-Its Development Experience, Himalaya Pub., House, Mumbai.
- NCAER, Economic and Policy Reforms in India, NCAER, New Delhi.
- Patton & Sawicki, Monitoring & Evaluating Implemented Policies, Prentice Hall
- Patton, Carl V. and David S. Sawicki, (2015) Basic Methods of Policy Analysis and Planning, Englewood Cliffs, New Jersey, Prentice Hall.
- Vaidyanathan A, (2003) India's Economic Reforms and Development, Academic Foundation, New Delhi.

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293

| | Session: 2024 | -25 | | |
|---|--|--|--|--|
| | Part A - Introd | uction | | |
| Name of Programme | M.A. Economics | | | |
| Semester | Third | | | |
| Name of the Course | Introductory | Economics | | |
| Course Code | M24-OE | C-309 | | |
| Course Type | | OEC | | |
| I evel of the course | | 500-599 | | |
| Pre-requisite for the course (if any) | | n.a. | | |
| Course Learning Outcomes (CLO) | CLO 1: Expla | in the meaning and natu | re of economics along with the | |
| After completing this course, the learner will be able | important conce | epts of its Microeconomics | branch. | |
| to: | CLO 2: Analy | ze and apply some basic | concepts from closed and open | |
| | Macroeconomics. | | | |
| | CLO 3: Elucida | ate the concepts of taxation | , fiscal policy, budget deficits, and | |
| | construction of | various indices as the m | easures of economic development | |
| | and thus enter i | nto the field of policy making | ng. | |
| | CLO 4: Make | positive as well as norma | ative analysis of Indian economic | |
| Constitue | policy. | Tutorial | Tatal | |
| Credits | Theory | Tutorial | 10(a) | |
| | 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 | | | |
| Par | t B - Contents of | the Course | | |
| | 0 1 11 | 1 0 1 | | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into consid covering entire syllabus. The examinee will be required compulsory question. All questions will carry equal ma | 9 questions asking deration. The comp ired to attempt 5 | two questions from each user of the second s | nit and one compulsory question No. 1) will consist at least 4 parts question from each unit and the | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into conside covering entire syllabus. The examinee will be required compulsory question. All questions will carry equal mature Unit | 9 questions asking leration. The comp ired to attempt 5 urks. | two questions from each used to subserve question (Question) questions, selecting one of the subserve questions, selecting one of the subserve questions of the subserve quest | nit and one compulsory question No. 1) will consist at least 4 parts question from each unit and the Contact Hours | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into consid covering entire syllabus. The examinee will be requ compulsory question. All questions will carry equal ma Unit T I Micro Economics | 9 questions asking leration. The comp ired to attempt 5 arks. opics | two questions from each up oulsory question (Question questions, selecting one of | No. 1) will consist at least 4 parts question from each unit and the Contact Hours | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into consider covering entire syllabus. The examinee will be required compulsory question. All questions will carry equal maximum to the examine of the | 9 questions asking deration. The comp ired to attempt 5 irks. opics ics; Central Econo on; Concepts of 0 | two questions from each upulsory question (Question) questions, selecting one of omic Problems; Concepts o Cost and Revenue; Marke | No. 1) will consist at least 4 parts question from each unit and the Contact Hours 7.5 | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into consider covering entire syllabus. The examinee will be required compulsory question. All questions will carry equal material material computer of the examine of the examine, nature, and Branches of Economic Demand and Supply; Factors of Producting Forms and their Features. II Macro Economics II Macro Economics | 9 questions asking leration. The comp ired to attempt 5 wrks. opics ics; Central Econo on; Concepts of (| g two questions from each up oulsory question (Question questions, selecting one of omic Problems; Concepts o Cost and Revenue; Marke | No. 1) will consist at least 4 parts question from each unit and the Contact Hours 7.5 | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into conside covering entire syllabus. The examinee will be requined compulsory question. All questions will carry equal matrix the examine will be requined to the examine of the exa | 9 questions asking leration. The comp ired to attempt 5 wrks. opics dics; Central Econc on; Concepts of 0 epts of Saving and account; Balance of | g two questions from each upulsory question (Question) questions, selecting one of omic Problems; Concepts of Cost and Revenue; Marke Investment; Money and its of Payment and Balance of | No. 1) will consist at least 4 parts question from each unit and the Contact Hours 7.5 7.5 | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into conside covering entire syllabus. The examinee will be requined compulsory question. All questions will carry equal material terms of the examine will be requined to the examine of the examine | 9 questions asking deration. The comp ired to attempt 5 wrks. opics dics; Central Econo on; Concepts of 0 epts of Saving and account; Balance of mics Merits and Dem Concept of Econo g Gender Developm | g two questions from each upulsory question (Question) questions, selecting one of omic Problems; Concepts o Cost and Revenue; Marke Investment; Money and it: of Payment and Balance o erits; Fiscal Policy and it mic Growth and Economi- nent Index. | Init and one compulsory question No. 1) will consist at least 4 parts question from each unit and the Contact Hours 7.5 7.5 7.5 7.5 | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into conside covering entire syllabus. The examinee will be requined compulsory question. All questions will carry equal material compulsory question. All questions will carry equal material carry question. All questions will carry equal material canone cause of Inflation; RBI and its Monetary Service Sectors; Liberalization, Privatization. | 9 questions asking leration. The comp ired to attempt 5 wrks. opics dics; Central Econo on; Concepts of 0 epts of Saving and account; Balance of mics Merits and Dem Concept of Econo gender Developm sent Times; Poverty Policy; Role of A on and Globalizatio | g two questions from each upulsory question (Question) questions, selecting one of omic Problems; Concepts of Cost and Revenue; Marke Investment; Money and its of Payment and Balance of erits; Fiscal Policy and it mic Growth and Economi- nent Index. ty Alleviation Programmes Agricultural, Industrial, and on (Concepts only). | Init and one compulsory question No. 1) will consist at least 4 parts Question from each unit and the Contact Hours 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into conside covering entire syllabus. The examinee will be requined compulsory question. All questions will carry equal material problem of the examine will be requined and symple will be requined and supply; Factors of Economy Demand and Supply; Factors of Producting Forms and their Features. II Micro Economics Basic Concepts in National Income; Conceptions; Current Account and Capital A Trade; Concept of Exchange Rate. III Public Finance and Development Economy Direct Taxes and Indirect Taxes: Types, Instruments; Budget and Fiscal Deficits; Development; Human Development Index; IV INTIAL Indian Economy Policy Basic Features of Indian Economy in Prest Causes of Inflation; RBI and its Monetary Service Sectors; Liberalization, Privatization | 9 questions asking deration. The compliced to attempt 5 urks. opics concepts concepts of Concepts of Concepts of Saving and Account; Balance of Merits and Demiconcept of Econo Gender Developmics sent Times; Poverty Policy; Role of Account and Globalization | g two questions from each upulsory question (Question) questions, selecting one of omic Problems; Concepts o Cost and Revenue; Marke Investment; Money and its of Payment and Balance o erits; Fiscal Policy and it mic Growth and Economia nent Index. ty Alleviation Programmes Agricultural, Industrial, and on (Concepts only). Total Contact Hour | Init and one compulsory question No. 1) will consist at least 4 parts Question from each unit and the Contact Hours 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 8 30 | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into conside covering entire syllabus. The examinee will be requined compulsory question. All questions will carry equal material procession of the examine of the exam | 9 questions asking deration. The comp ired to attempt 5 wrks. opics dics; Central Econo on; Concepts of 0 epts of Saving and account; Balance of mics Merits and Dem Concept of Econo Gender Developm sent Times; Povert y Policy; Role of a on and Globalizatio | g two questions from each upulsory question (Question) questions, selecting one of omic Problems; Concepts o Cost and Revenue; Marke Investment; Money and its of Payment and Balance o erits; Fiscal Policy and it mic Growth and Economi- nent Index. ty Alleviation Programmes Agricultural, Industrial, and on (Concepts only). Total Contact Hour on Methods | Init and one compulsory question No. 1) will consist at least 4 parts Question from each unit and the Contact Hours 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into conside covering entire syllabus. The examinee will be requined compulsory question. All questions will carry equal material compulsory question. All questions will carry equal material carry question. All questions will carry equal material canone carry of the part of | 9 questions asking deration. The comp ired to attempt 5 irks. opics ics; Central Econo on; Concepts of 0 epts of Saving and account; Balance of mics Merits and Dem Concept of Econo Gender Developm sent Times; Povert y Policy; Role of a on and Globalizatio | two questions from each upulsory question (Question) questions, selecting one of omic Problems; Concepts of Cost and Revenue; Marke Investment; Money and its of Payment and Balance of erits; Fiscal Policy and it mic Growth and Economi- nent Index. ty Alleviation Programmess Agricultural, Industrial, and on (Concepts only). Total Contact Hour on Methods End Term | Init and one compulsory question No. 1) will consist at least 4 parts question from each unit and the Contact Hours 7.5 | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into conside covering entire syllabus. The examinee will be requined compulsory question. All questions will carry equal matching outcomes will carry equal matching. All questions will carry equal matching. Nature, and Branches of Economics Meaning, Nature, and Branches of Economic Demand and Supply; Factors of Producti Forms and their Features. II Micro Economics Basic Concepts in National Income; Conceptions; Current Account and Capital A Trade; Concept of Exchange Rate. III Public Finance and Development Economic Direct Taxes and Indirect Taxes: Types, Instruments; Budget and Fiscal Deficits; Or Development; Human Development Index; IV IV Indian Economy Policy Basic Features of Indian Economy in Press Causes of Inflation; RBI and its Monetary Service Sectors; Liberalization, Privatization Su Internal Assessment: 15 | 9 questions asking leration. The comp ired to attempt 5 irks. opics ics; Central Econo on; Concepts of 0 epts of Saving and account; Balance of mics Merits and Dem Concept of Econo Gender Developm sent Times; Pover y Policy; Role of 1 on and Globalizatio ggested Evaluatio | a two questions from each upulsory question (Question) questions, selecting one of omic Problems; Concepts of Cost and Revenue; Marke Investment; Money and its of Payment and Balance of erits; Fiscal Policy and it mic Growth and Economi- nent Index. ty Alleviation Programmes Agricultural, Industrial, and on (Concepts only). Total Contact Hour on Methods End Term > Theory: | Init and one compulsory question No. 1) will consist at least 4 parts question from each unit and the Contact Hours 7.5 | |
| Instructions for Paper- Setter: The examiner will set by taking course learning outcomes (CLOs) into conside covering entire syllabus. The examinee will be reque compulsory question. All questions will carry equal material Unit I I Micro Economics Meaning, Nature, and Branches of Econom Demand and Supply; Factors of Producti Forms and their Features. II Macro Economics Basic Concepts in National Income; Conceptions; Current Account and Capital A Trade; Concept of Exchange Rate. III Public Finance and Development Econom Direct Taxes and Indirect Taxes: Types, Instruments; Budget and Fiscal Deficits; O Development; Human Development Index; IV Indian Economy Policy Basic Features of Indian Economy in Prest Causes of Inflation; RBI and its Monetary Service Sectors; Liberalization, Privatization Service Sectors; Liberalization, Privatization V Internal Assessment: 15 | 9 questions asking deration. The comp ired to attempt 5 irks. opics ics; Central Econo on; Concepts of 0 epts of Saving and account; Balance of mics Merits and Dem Concept of Econo Gender Developm sent Times; Povert y Policy; Role of a on and Globalizatio ggested Evaluatio 15 4 | a two questions from each upulsory question (Question) questions, selecting one of omic Problems; Concepts of Cost and Revenue; Marke Investment; Money and its of Payment and Balance of erits; Fiscal Policy and it mic Growth and Economi- nent Index. ty Alleviation Programmes Agricultural, Industrial, and on (Concepts only). Total Contact Hour on Methods End Term > Theory: Writte | Init and one compulsory question No. 1) will consist at least 4 parts question from each unit and the Contact Hours 7.5 </td | |

2934

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Mid-Term Exam: 7 Part C-Learning Resources

Recommended Books/e-resources/LMS:

- Anderton, A. (2008). Economics. Dorling Kindersley (India) Pvt. Ltd., New Delhi.
- Datt, G., & Mahajan, A. (2020). Datt & Sundharam's Indian economy. S.Chand Publishing.
- Dhar, P.K. (2020). Indian economy: Its growing dimensions. Kalyani Publishers, New Delhi.
- Dwivedi, D.N. (2010). Macroeconomics: Theory and policy. Tata McGraw Hill, New Delhi.
- Gupta, J.R. (2005). Public economics in India Theory and practice. Atlantic Publishers.
- Kapila, U. (2015). Indian economy Performance and policies. Academic Foundation.
- Kapila, U. (2018). Indian economy since independence. Academic Foundation.
- Mankiw, G. N. (2018). Principles of economics. South-Western Cengage Learning, USA.
- Ministry of Finance (2024). Economic Survey. Government of India.
- Mishra, S.K., & Puri, V.K. (2024). Indian Economy. Himalaya Publications, New Delhi.
- Paul, R. R. (2010). Monetary Economics. Kalyani Publishers, New Delhi.
- Samuelson, P.A., & Nordhaus, W.D. (2010). Economics. Tata McGraw-Hill.
- Sowell, T. (2011). Basic economics: A common sense guide to the economy. Basic Books, New York.

| | | Session: 2025-26 | 12 y R | | | |
|---|---|--|---------------------------------|-----------------------------|--|--|
| | | Part A - Introduction | | | | |
| Name of Pro | ogramme | M.A. Economics | | | | |
| Semester | | Fourth | | × | | |
| Name of th | e Course | Indian Economic Policy | | | | |
| Course Co | de | M24-ECO-401 | | 5 KS | | |
| Course Typ | be and the second se | CC-11 | | | | |
| Level of the | e course | 500-599 | | | | |
| Pre-requisit | te for the course (if any) | | n.a. | | | |
| Course Lea | rning Outcomes (CLO) | CLO 1: Understand the per | formance of the Indian econor | my since independence. | | |
| After compl | leting this course, the learner will be | CLO 2: To comprehend th | e performance and policies for | or different sectors of the | | |
| able to: | | Indian economy. | | | | |
| | | CLO 3: Explore the composition of Indian financial system, including the central | | | | |
| | | bank, commercial banks, money and capital markets, fiscal policy, and public | | | | |
| | | debt. | | | | |
| | | CLO 4: Grasp India's international economic engagements through trade, | | | | |
| | | investment, and foreign exchange management. | | | | |
| Credits | | Theory | Tutorial | Total | | |
| | - | 4 | 0 | 4 | | |
| Teaching H | Hours per week | 4 | 0 | 4 | | |
| Internal As | sessment Marks | 30 | 0 | 30 | | |
| End Term I | Exam Marks | 70 | 0 | 70 | | |
| Max. Mark | S | 100 | 0 | 100 | | |
| Examinatio | n Time | 3 hours | | | | |
| | . 1 | Part B-Contents of the Co | ourse | 10 M | | |
| Instructions | for Paper- Setter: The examiner w | ill set 9 questions asking | two questions from each uni | t and one compulsory | | |
| question by | taking course learning outcomes (CLO | s) into consideration. The c | compulsory question (Question | n No. 1) will consist at | | |
| least 4 parts | covering entire syllabus. The examined | e will be required to attemp | ot 5 questions, selecting one q | uestion from each unit | | |
| and the comp | pulsory question. All questions will carr | y equal marks. | | | | |
| Unit Topics | | | Contact Hours | | | |
| I | Characteristics of the Indian Econor | my | | | | |
| Characteristics of Indian Economy on the eve of independence, Development Strategies in India | | | | 15 | | |
| | Planning in India: Objectives Strategies | s and Evaluation, Trend and | Structure of National Income | | | |
| | since 1951, New Economic Policy 19 | 91, Performance of Indian | Economy in post reform era, | , | | |
| | Behaviour of saving and investment | in recent years, Infrastr | ucture bottlenecks in Indian | | | |
| | economy, Impact of institutional factors | s on development of Indian | Economy. | | | |
| II | Structure of the Indian Economy | | | | | |

Agriculture: Growth, Productivity Trends and Crop Patterns, Green Revolution, Recent Issues in Indian Agriculture Trends in its diversification, Rural Credit & Marketing, Industrial

295

15

Department of Economics Kurukshetra University. KURUKSHETRA-136119

| L | Total Contact Hours | 60 |
|-----|--|----|
| | Total Contract Haung | 60 |
| | India. | |
| | Exchange Reserve, Multinational corporation, FERA and FEMA, World Trade Organization and | |
| | policy, Foreign Capital and Aid, India's Exchange Rate Policy, Management of Foreign | |
| | India's Foreign Trade; Value, Composition and Direction, India's Balance of Payments, Exim | 15 |
| IV | Foreign Trade And Foreign Capital | |
| | issue, Public Debt in India. | |
| | of Indian tax structure; goods and service tax in India, Public Expenditure in India ;trends and | |
| | relations; recent finance commission, Tax revenue of central and state government; evaluation | |
| | in India, Money Market, Capital Market in India, Institutional Financing, Center State finance | |
| | Price trends and Inflation, Indian Financial System: Reserve Bank of India, Commercial banking | 15 |
| 111 | Money, Banking and Finance | |
| | security, Growth and Contribution of Services sector in India, Service led Growth. | |
| | Policy, Public sector in India, Disinvestment Programme in India, Labour relation and Social | |
| | Development during post-independence Period, Small Scale and cottage industries, industrial | |
| | Development during post-independence Period, Small Scale and cottage industries, Industrial | |

| Internal Assessment: 30 | | | End Term | Examination: 70 | |
|---|-------------|-----|----------|-----------------|--|
| > Theory | 30 | A | Theory: | 70 | |
| Class Participation: | 5 | | Writter | Examination | |
| • Seminar/presentation/assignment/quiz/class test etc.: | 10 | | | | |
| • Mid-Term Exam: | 15 | | | | |
| Part C-Lear | ning Resour | ces | | 1651 | |

- Banerjee, A. & Singh, S.K. (2001). Banking and Financial Sector Reforms in India, Deep & Deep Publications, New Delhi.
- Bhagwati, Jagdish (2004). In Defense of Globalization. Oxford University Press, New Delhi.
- Bhandari, Surendra (1998). WTO and Developing Countries, Deep & Deep Publications, New Delhi.
- Biswas, P.K. & Das, P. (Eds.). (2019). Indian Economy: Reforms and Development, Springer.
- Datt, G. & Mahajan, A. (2020). Datt & Sundharam's Indian Economy, S. Chand Publishing House.
- Desai, Vasant (2005).Indian Financial System and Financial Market Operations, Himalaya Publishing House, New Delhi.
- Dhar, P.K. (2020).Indian Economy: Its Growing Dimensions. Kalyani Publishers, New Delhi
- Dwivedi, Rishi Muni (2011). Energy Sources and Policies in India. New Century Publication, New Delhi.
- Hanumantha Rao, C.H., Bhattacharya, B.B. and Siddharthan, N.(Eds.). (2005). Indian Economy and Society in Era of Globalization and Liberalization, Academic Foundation, New Delhi.
- Kapila, Uma (2014-2015). Indian Economy since independence, Academic Foundation, New Delhi.
- Mahajan, Madhur M. (2019).Indian economy. Pearson Education, New Delhi.
- Mathur, Vibha (2005).WTO and India (Development Agenda for the 21st century), New Century Publications, New Delhi.
- Meier, Gerald M. (1987). Pioneers in Development. Oxford University Press, New Delhi.
- Ministry of Finance (2024). Economic Survey. Government of India.
 Mishra, S. K. & Puri, V.K. (2020). Indian Economy. Himalaya Publishing House, New Delhi
- Rameshan P. (2008).WTO, India and Emerging area of Trade: Challenges and Strategies, Excel Books, New Delhi.
- Shergill, H.S. (2006). Diversification of cropping pattern: A Re-Examination, Institute for Development and Communication, Chandigarh.
- Sinha, Yashwant & Srivastava, Vinay K. (2017). The Future of Indian Economy: Past Reforms and Challenges ahead, Rupa Publications, New Delhi.

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295

| S | ession: 2025-2 | 26 | | | |
|---|--|--|--|---|--|
| Part | A – Introdu | ctio | n | | |
| Name of Programme | | | M./ | A. Economics | |
| Semester | Fourth | | | | D 1 |
| Name of the Course | Enviror | ımer | ntal Economi | cs and Sustainable | Development |
| Course Code | | 5 | M24-ECO- | -402 | |
| Course Type | | CC | 2-12 | | |
| Level of the course | | 500 | -599 | | |
| Pre-requisite for the course (if any) | | | 1.1 1 | n.a. | |
| Course Learning Outcomes(CLO) After completing this course, the learner will be able to: | CLO 1: Unde Environment CLO 2: Analy CLO 3: Exam Manageme CLO 4: Unde | inter yze e nine ent. erstar | nd the dynam raction. environmenta Policy instru nd the limits | al challenges and so ments for environn to growth and susta | olutions. nental ainability. |
| Credits | Theory | | Tutorial | To | otal |
| | 4 | | 0 | | 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 | j | 100 |
| Examination Time | 3 hours | | | | |
| Part B- | Contents of t | he (| Course | | |
| compulsory question by taking course learning outcom No. 1) will consist at least 4 parts covering entire syllab one question from each unit and the compulsory question | nes (CLOs) into ous. The exam on. All questio | to co inee ons v | will be required will carry equip | The compulsory q ired to attempt 5 qu al marks. | uestion (Question uestions, selecting |
| Unit | lopics | | | | 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. | | | The neoclassical ice Model, Trade- d the Assimilative | 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 Contac | t Hours | | | | 60 |
| Suggeste | ed Evaluation | Me | thods | | |
| Internal Assessment: 30 | | | E | nd Term Examina | ation: 70 |
| > Theory | | 30 | > The | eory: 7 | 0 |
| Class Participation: Summer for the second | | 5 | | Written Examina | ation |
| Seminar/presentation/assignment/guiz/class test etc | | 10 | | | |

297

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2.7

| • Mid-Term Exam: | 15 | |
|---------------------------------|-----------------------|-------|
| | Part C-Learning Resou | irces |
| Decommonded Decks/e manual IMC. | | |

- 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.
- Hussen, 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.

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| | Session: | 2025-26 | | | |
|---|---|---|--|--|---------------------------------|
| | Part A – | Introduction | | | |
| Name of P | rogramme | M.A. Economic | cs | | |
| Semester | | Fourth | | | |
| Name of t | he Course | International Fi | nance | | |
| Course C | ode | M24-ECO-403 | | | |
| Course Ty | /pe | DEC-6 | | | 5 - F S S. |
| Level of t | he course | 500-599 | | | |
| Pre-requis | site for the course (if any) | N.A. | | | |
| Course Le | earning Outcomes (CLO) | CLO 1: Unde | rstand, explain and pre | esent various app | roaches of foreign |
| After com | pleting this course, the learner will b | e ableexchange rate d | etermination especially in | a forward market | |
| to: | | CLO 2: Compre | ehend various models of b | balance of payment | t adjustment. |
| | | CLO 3: Learn | and explain macro adju | stment policies in | an open economy |
| CIOA: Understand and analyze the working of International Finance | | | | ernational Financial | |
| | CLO 4: Understand and analyze the working of international Financi | | | | |
| Credite | | Theory | Tutorial | Total | |
| Cicuits | | A | | 10111 | |
| | | 4 | 0 | 4 | 1) e |
| Teaching | Hours per week | 3 | 1 | 4 | |
| Internal A | ssessment Marks | 30 | 0 | 30 | |
| End Term | Exam Marks | 70 | 0 | 70 | |
| Max. Mar | ks | 100 | 0 | 100 | |
| Examination Time 3 hours | | | | | |
| Part B-Co | ntents of the Course | | | | |
| least 4 part and the cor Unit | s covering entire syllabus. The exam npulsory question. All questions will Topics | inee will be required carry equal marks. | to attempt 5 questions, se | electing one questi | on from each unit Contact Hours |
| I | Foreign Exchange Market Evolution of foreign exchange rate expectations, currency swaps, fut Monetary Approach Foreign exchange Flexible exchange rate system, Ma FOREX management strategy in Inc | e determination mech ure and options, PPI nge rate policy; Fixed maged flexibility, Op lia. | nanism, Speculation and P Approach, Portfolio b I and pegged exchange ra timum currency Area, E | arbitrage, role of valance approach, ate system, versus xchange controls, | 15 |
| 11 | Balance of Payment Concepts, structure and disequilibrin and flexible exchange rates, Deva Absorption Approach- Marshall- Le in BOP in India. | um in Balance of payr luation and BOP cris erner Condition, J-Cur | nents; Monetary model of sis- Effects of Devaluati rve; Foreign trade multipl | BOP under fixed on; elasticity and ier; Recent trends | 15 |
| III | Open Economy Adjustment Polici Internal and external balance; Swa changing policies; Mundell-Fleming flexible exchange rate system, Impl Debt Problem; India and External D | es an Diagram, Assignn g Model-Combining n ications of Impossible ebt-trends features an | nent Problem; Expenditu nonetary and fiscal policie Trinity in the Indian Con d strategy. | re Switching and es under fixed and text. International | 15 |
| IV | International Financial Managem International Capital Movements: International Bond Market; Fundin Financial Crisis, Sub-Prime lending Operational developments in Ir International Liquidity, World Trade | ent and Institutions FDI and Portfolio g and Risk Manager g Crisis, Greece Crisis tternational Institution e Organization. | Investment; Euro curre nent; Global Economic (s, Euro Crisis and Brexit. ons: International Mon- | ency market and Crisis: East Asian Evolutionary and etary Fund and | 15 |
| | To | tal Contact Hours | | | 60 |
| Suggestee | d Evaluation Methods | | | | |
| Internal A | ssessment: 30 | | End Term Exan | nination: 70 | |

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290

| > Theory | 30 | > Theory: | 70 | |
|---|------------|---------------------|----|--|
| Class Participation: | 5 | Written Examination | | |
| • Seminar/presentation/assignment/quiz/class test etc.: | 10 | | | |
| • Mid-Term Exam: | 15 | | | |
| Part C-Lear | ning Resou | irces | | |

Batra, R. N. (1973). Studies in the Pure Theory of International Trade, St. Martin's Press, August.

Bhagwati, J. N. (1987). International trade: Selected readings, MIT Press, Cambridge.

- Caves, R.E. & Johnson, H.G. (Eds.). (1968). Readings in International Trade. Homewood, Allen & Unwin, London.
- Ethier, W. J. (1995). Modern International economics, W.W. Norton & Co.
- Frankel, J.A. (1993). Monetary & Portfolio Balance Models of Exchange Rate Determination. MIT Press, Cambridge.
- H. G. Mannur(1999). International Economics, Vikas Publishing House.
- Heffernan, S. & Sinclair, P. (1991). Modern International Economics. Wiley-Blackwell
- Heller, H.R. (1974). International Monetary Economics. Prentice- Hall, Englewood Cliffs, N.J.
- Kindleberger, C.P. (1996). A History of Financial Crisis: Manias, Panics and Crashes. John Wiley
- Paul R. Krugman, Maurice Obstfeld & Marc Melitz (2013). International Economics: Theory and Policy, Pearson Publication.
- Salvatore D. (2004). Introduction to International Economics, Published by Wiley India.
- Södersten, Bo (1994). International Economics, Houndmills, Basingstoke, Hampshire: Macmillan.

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| | Session | : 2025-26 | | |
|--|---|--|--|---|
| | Part A | – Introduction | | N |
| Name of | Programme | M.A. Econor | mics | |
| Semester | | Fourth | | |
| Name of | the Course | Behavioural | Economics | a a sera |
| Course (| Code | M24-ECO-4 | 04 | |
| Course 7 | уре | DEC-6 | | |
| Level of | | | | |
| Pre-requ | isite for the course (if any) | n.a. | | |
| Course L | earning Outcomes (CLO) | CLO 1: Un | derstand, communic | cate and solve applications of the |
| After cor | npleting this course, the learner will | be ablebehavioural | decision theory and | the theory of rational choice unde |
| to: | | certainty and | uncertainty. | |
| | | CLO 2: Criti | cally evaluate the pr | eference models and understand the |
| | | human behav | viour under ambiguo | us situations. |
| | | CLU 5. Den | ionstrate an understa | tions of biased preferences |
| | | CLO 4. Cor | sider the role of e | notions and cognition in Decision |
| | | making. | isider the role of el | notions and cognition in Decision |
| Credits | | Theory | Tutorial | Total |
| | | 4 | 0 | 4 |
| Tasahin | I I avera e an averal | | 1 | |
| leaching | g Hours per week | 3 | 1 | 4 |
| Internal | Assessment Marks | 30 | 0 | 30 |
| End Terr | n Exam Marks | 70 | 0 | 70 |
| Max. Ma | irks | 100 | 0 | 100 |
| Examina | tion Time | 3 hours | | |
| Instructio | ons for Paper- Setter: The examination by taking course learning | ner will set 9 quest outcomes (CLOs) ir | ions asking two qu to consideration. Th | estions from each unit and one e compulsory question (Ouestion |
| Instructio compulsor No. 1) wil one questi | ons for Paper- Setter: The examinary question by taking course learning l consist at least 4 parts covering entire on from each unit and the compulsory | ner will set 9 quest outcomes (CLOs) ir re syllabus. The exan y question. All question | ions asking two qu nto consideration. Th ninee will be require ons will carry equal 1 | estions from each unit and one te compulsory question (Question d to attempt 5 questions, selecting marks. |
| Instruction compulson No. 1) wil one questi Unit | ry question by taking course learning l consist at least 4 parts covering entir on from each unit and the compulsory Topics | ner will set 9 quest outcomes (CLOs) ir re syllabus. The exan y question. All question | ions asking two qu to consideration. Th ninee will be required ons will carry equal n | estions from each unit and one te compulsory question (Question d to attempt 5 questions, selecting marks. |
| Instructio compulso No. 1) wil one questi Unit | Image: Setter is a constrained by taking course learning is a consist at least 4 parts covering entition from each unit and the compulsory Topics Introduction to Behavioural Economics approaches to behavioural Economic compromise effect, Reference point endowment effect. | ner will set 9 quest outcomes (CLOs) ir re syllabus. The exan question. All question omics s, and where does ics, What does it me lence: choice overlo phenomena: status o | ions asking two qu ito consideration. Th ninee will be required ons will carry equal n it come from? T ean to be rational? P ad, the decoy effec quo bias, loss aversio | estions from each unit and one te compulsory question (Question d to attempt 5 questions, selecting marks. Contact Hours 15 Theoretical references, tt, and the on, and the |
| Instruction compulson No. 1) wild one questi Unit I | Ins for Paper- Setter: The examination of the set of | ner will set 9 quest outcomes (CLOs) ir re syllabus. The exan question. All question omics s, and where does ics, What does it me lence: choice overlo phenomena: status of the Uncertainty models: objective a J: Rabin's calibration radox, Prospect theorem | ions asking two qu nto consideration. The ninee will be required ons will carry equal n it come from? The ant to be rational? Pr ad, the decoy effect quo bias, loss aversion and subjective expect n argument, the Allais ry; Regret theory; No | estions from each unit and one te compulsory question (Question d to attempt 5 questions, selecting marks. Contact Hours 15 Theoretical references, et, and the 15 teted utility is paradox, eoclassical |
| Instructio compulson No. 1) wil one questi Unit I | Ins for Paper- Setter: The examinery question by taking course learning l consist at least 4 parts covering entition from each unit and the compulsory Topics Introduction to Behavioural Economics approaches to behavioural Economic compromise effect, Reference point endowment effect. Behavioural Economics of Risk and Risk vs. uncertainty, The standard theory, Challenges to EUT and SEU a Problem of SEU; the Ellsberg para and Behavioural models of Ambigut | ner will set 9 quest outcomes (CLOs) ir re syllabus. The exan question. All question omics s, and where does ics, What does it me lence: choice overlo phenomena: status of the Uncertainty models: objective a U: Rabin's calibration radox, Prospect theor ity. | ions asking two qu to consideration. Th ninee will be required ons will carry equal n it come from? T an to be rational? Pr ad, the decoy effect quo bias, loss aversion and subjective expect n argument, the Allai ry; Regret theory; N | estions from each unit and one le compulsory question (Question d to attempt 5 questions, selecting marks. Contact Hours 15 Theoretical references, it, and the on, and the 15 teted utility is paradox, eoclassical |
| Instructio compulsor No. 1) wil one questi Unit I I | Ins for Paper- Setter: The examinery question by taking course learning l consist at least 4 parts covering entition from each unit and the compulsory Topics Introduction to Behavioural Economics approaches to behavioural Economics approaches to behavioural Economic compromise effect, Reference point endowment effect. Behavioural Economics of Risk and Risk vs. uncertainty, The standard theory, Challenges to EUT and SEU a Problem of SEU; the Ellsberg pair and Behavioural models of Ambigut Social Preference and Fairness Ultimatum and Dictator games, git The Fehr-Schmidt model, The ERC | ner will set 9 quest outcomes (CLOs) in re syllabus. The exan y question. All question omics s, and where does ics, What does it me lence: choice overlo phenomena: status of the Uncertainty models: objective a J: Rabin's calibration radox, Prospect theority. ft exchange and trus C model, Behavioura | ions asking two qu ito consideration. The ninee will be required ons will carry equal r it come from? T and to be rational? P ad, the decoy effect quo bias, loss aversion and subjective expect n argument, the Allai ry; Regret theory; N t games, Public good al Political Economy | estions from each unit and one le compulsory question (Question d to attempt 5 questions, selecting marks. Contact Hours 15 Theoretical references, et, and the on, and the 15 teted utility is paradox, eoclassical 15 15 15 15 15 15 15 15 15 15 |
| Instruction compulson No. 1) will one questi Unit I | Ins for Paper- Setter: The examination of the set of the | ner will set 9 quest outcomes (CLOs) ir re syllabus. The exan y question. All question omics s, and where does ics, What does it me lence: choice overlo phenomena: status of the duncertainty models: objective a J: Rabin's calibration radox, Prospect theority. ft exchange and trus C model, Behavioura Human Virtues an | ions asking two qu to consideration. The ninee will be required ons will carry equal to it come from? The ant to be rational? Pr ad, the decoy effect quo bias, loss aversion and subjective expect the argument, the Allai ry; Regret theory; No t games, Public good al Political Economy and Social identity, | estions from each unit and one le compulsory question (Question d to attempt 5 questions, selecting marks. Contact Hours 15 Theoretical references, et, and the on, and the on, and the on, and the coclassical 15 15 15 15 15 15 15 15 15 15 |
| Instruction compulsor No. 1) will one questi Unit I I II III | Ins for Paper- Setter: The examinery question by taking course learning leansist at least 4 parts covering entition from each unit and the compulsory Topics Introduction to Behavioural Economics approaches to behavioural Economics approaches to behavioural Economic compromise effect, Reference point endowment effect. Behavioural Economics of Risk arr Risk vs. uncertainty, The standard theory, Challenges to EUT and SEU; a Problem of SEU; the Ellsberg para and Behavioural models of Ambigur Social Preference and Fairness Ultimatum and Dictator games, gir The Fehr-Schmidt model, The ERG General Equilibrium and welfare, Cognition and human behaviour. | ner will set 9 quest outcomes (CLOs) ir re syllabus. The exan question. All question omics s, and where does ics, What does it me lence: choice overlo phenomena: status of the uncertainty models: objective a J: Rabin's calibration radox, Prospect theory ity. ft exchange and trus C model, Behavioura Human Virtues an | ions asking two qu to consideration. The ninee will be required ons will carry equal n it come from? The ant to be rational? Pr ad, the decoy effect quo bias, loss aversion and subjective expect and subjective expect argument, the Allai ry; Regret theory; No t games, Public good al Political Economy and Social identity, | estions from each unit and one le compulsory question (Question d to attempt 5 questions, selecting marks. Contact Hours 15 Theoretical references, it, and the on, and the 15 teted utility is paradox, eoclassical 15 tods games, y, Fairness Emotions, 15 |
| Instruction compulson No. 1) will one questi Unit I II | Ins for Paper- Setter: The examinery question by taking course learning l consist at least 4 parts covering entire on from each unit and the compulsory Topics Introduction to Behavioural Economics approaches to behavioural Economics approaches to behavioural Economic compromise effect, Reference point endowment effect. Behavioural Economics of Risk and Risk vs. uncertainty, The standard theory, Challenges to EUT and SEU a Problem of SEU; the Ellsberg pair and Behavioural models of Ambigut Social Preference and Fairness Ultimatum and Dictator games, gitt The Fehr-Schmidt model, The ERG General Equilibrium and welfare, Cognition and human behaviour. Decisions over Time The standard model: exponentially procrastination and preproperation, effects, attribute based models, Neuroeconomics: introduction and to the standard model. | ner will set 9 quest outcomes (CLOs) in re syllabus. The exan question. All question omics s, and where does ics, What does it me lence: choice overlo phenomena: status of the Uncertainty models: objective a J: Rabin's calibration radox, Prospect theority. A exchange and trus C model, Behavioura Human Virtues and discounted utility, Ch and demand for com The reference time echniques. | ions asking two qu ito consideration. The ninee will be required ons will carry equal r it come from? T an to be rational? P ad, the decoy effect quo bias, loss aversion and subjective expect argument, the Allai ry; Regret theory; N t games, Public good al Political Economy and Social identity, hallenges to EDU: se mitment, Sign and theory, Optimal | estions from each unit and one le compulsory question (Question d to attempt 5 questions, selecting marks. Contact Hours 15 Theoretical references, et, and the on, and the 15 teted utility is paradox, eoclassical 15 15 15 15 15 15 15 15 15 15 |
| Instruction compulsor No. 1) will one questi Unit I II III | Ins for Paper- Setter: The examinery question by taking course learning leansist at least 4 parts covering entition from each unit and the compulsory Topics Introduction to Behavioural Economics approaches to behavioural Economics approaches to behavioural Economic compromise effect, Reference point endowment effect. Behavioural Economics of Risk arr Risk vs. uncertainty, The standard theory, Challenges to EUT and SEU a Problem of SEU; the Ellsberg para and Behavioural models of Ambigut Social Preference and Fairness Ultimatum and Dictator games, gist The Fehr-Schmidt model, The ERC General Equilibrium and welfare, Cognition and human behaviour. Decisions over Time The standard model: exponentially procrastination and preproperation, effects, attribute based models, Neuroeconomics: introduction and to Total Component standard component standard model is a standard model is a | her will set 9 quest outcomes (CLOs) in re syllabus. The exam y question. All question omics s, and where does ics, What does it me lence: choice overlo phenomena: status of the duncertainty models: objective a J: Rabin's calibration radox, Prospect theory ity. At exchange and trus C model, Behavioura Human Virtues an discounted utility, Cl and demand for con The reference time echniques. ontact Hours | ions asking two qu ito consideration. The ninee will be required ons will carry equal to it come from? The ant to be rational? Pr ad, the decoy effect quo bias, loss aversion and subjective expect the argument, the Allais ry; Regret theory; Not t games, Public good al Political Economy and Social identity, hallenges to EDU: se mitment, Sign and theory, Optimal | estions from each unit and one le compulsory question (Question d to attempt 5 questions, selecting marks. Contact Hours 15 Theoretical references, it, and the on, and the 15 teted utility is paradox, eoclassical 15 teted utility is paradox, eoclassical 15 15 15 15 15 15 15 1 |
| Instruction compulson No. 1) will one questi Unit I II III | Ins for Paper- Setter: The examinery question by taking course learning leansist at least 4 parts covering entition from each unit and the compulsory Topics Introduction to Behavioural Economics approaches to behavioural Economics approaches to behavioural Economic compromise effect, Reference point endowment effect. Behavioural Economics of Risk arr Risk vs. uncertainty, The standard theory, Challenges to EUT and SEU; a Problem of SEU; the Ellsberg para and Behavioural models of Ambigur Social Preference and Fairness Ultimatum and Dictator games, gir The Fehr-Schmidt model, The ERC General Equilibrium and welfare, Cognition and human behaviour. Decisions over Time The standard model: exponentially procrastination and preproperation, effects, attribute based models, Neuroeconomics: introduction and the standard to the standard model for the standard for the stan | ner will set 9 quest outcomes (CLOs) ir re syllabus. The exan question. All question omics s, and where does ics, What does it me lence: choice overlo phenomena: status of the Uncertainty models: objective a U: Rabin's calibration radox, Prospect theory ity. ft exchange and trus C model, Behavioura Human Virtues an discounted utility, Ch and demand for com The reference time echniques. Datact Hours Ungested Evaluation | ions asking two qu to consideration. The ninee will be required ons will carry equal to it come from? The ad, the decoy effect quo bias, loss aversion and subjective expect argument, the Allait ry; Regret theory; No- t games, Public good al Political Economy and Social identity, hallenges to EDU: se nmitment, Sign and theory, Optimal Methods | estions from each unit and one le compulsory question (Question d to attempt 5 questions, selecting marks. Contact Hours 15 Theoretical references, it, and the on, and the 15 teld utility is paradox, eoclassical 15 telf-control, magnitude Sin taxes, 60 60 |

300

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| > Theory | 30 | > Theory: | 70 | |
|---|---------|---------------------|----|--|
| Class Participation: | 5 | Written Examination | | |
| Seminar/presentation/assignment/quiz/class test etc.: | 10 | 1 | | |
| • Mid-Term Exam: | 15 | 1 | | |
| Part C-Learni | ng Reso | urces | | |

Angner, Erik (2016). A Course in Behavioral Economics, Palgrave Macmillan.

• Dhami, Sanjit (2016). The Foundations of Behavioral Economic Analysis, Oxford University Press.

- Fehr and Schmidt (2003). Theories of fairness and reciprocity: evidence and economic applications, Advances in Economics and Econometrics.
- Barberis (2013). Thirty years of prospect theory in economics: a review and assessment, Journal of Economic Perspectives.
- Camerer and Loewenstein (2004). Behavioural economics: past, present, future, Chapter 1 of [6].

Dellavigna (2009). Psychology and Economics: evidence from the field, Journal of Economic Literature.

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| | Session: 2025-26 | | |
|--|--|--|---|
| P | art A - Introduction | n | |
| Name of Programme | M.A. Economics | | |
| Semester | Fourth | | |
| Name of the Course | | Macro Mathematical Econ | nomics |
| Course Code | M24-ECO- | 405 | |
| Course Type | D | EC- 6 | |
| Level of the course | 50 | 0-599 | |
| Pre-requisite for the course (if any) | | n.a. | |
| After completing this course, the learner will be able to: | and derive the c such equilibrium multi-market sys CLO 2 : Explain a social welfare fu CLO 3 : Analyze and firms under project selection CLO 4 : Illustrate regard to inj unemployment economic grov macroeconomic | and tormulate the equinor conditions for the existence, in and thereby solve various stem. and derive mathematically the unction and design policies for and present the choices made uncertainty and understand and risk-return analysis. e and formulate various material put-output analysis, national relationship, multiplier-account with and thereby design framework. | stability and uniqueness of policy issues in context of e conditions of optimality, or welfare maximization. de by consumers, investors the role of time element in acroeconomic models with onal income, inflation- celerator interactions, and a effective policies in |
| 2 | Theory | Tutorial | Total |
| | 4 | 0 | 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 C | ourse | |
| Instructions for Paper- Setter: The examiner will se question by taking course learning outcomes (CLOs) int least 4 parts covering entire syllabus. The examinee will and the compulsory question. All questions will carry equ | et 9 questions asking to consideration. The l be required to attemp al marks. | two questions from each u compulsory question (Questi pt 5 questions; selecting one | nit and one compulsory on No. 1) will consist at question from each unit |
| Unit | Topics | | Contact Hours |
| I Multi-market Equilibrium Pure exchange; Two commodity exchange money; Existence of equilibrium: Theory an equilibrium; Uniqueness of equilibrium. M Market failures. SELF STUDY CONTENTS (not relevant fo Relationship between various economic a | e; Production and exe nd Proof; Static and d farket Imperfections r exams) agents; Basic rules o | change; The numeraire and ynamic conditions for stable information asymmetry and of differential calculus and | 15 |
| maxima-minima and matrix algebra. II Welfare Economics Pareto Optimality; The efficiency of perfect consumption and production; Social welfar The Theory of Second Best. SELF STUDY CONTENTS (not relevant for Market efficiency and market failure; Indiff | and imperfect compet re functions – The Ar r exams): rerence curve and isoq | ition; The external effects in rrow impossibility theorem; quant curve and their slopes; | 15 |

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| | Basics of public choice; Basic rules of differential calculus and maxima-minima. | | |
|-----|--|----|--|
| III | 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 | 15 | |
| | criterion. Risk-return trade off. | | |
| | SELF STUDY CONTENTS (not relevant for exams): | | |

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303

| | Rules of differential calculus and maxima-minima. Co | oncept of disc | counting | g and compoundi | ng; |
|---------|---|---|--|---|----------------------------------|
| ΙΫ | Macroeconomic Models Input-output model; National Income models (open & Phillips relation; Multiplier-Acceleration interaction John Robinson's Golden Age Model, Duesenberry's Kaldor. SELF STUDY CONTENTS (not relevant for exams): Matrix Algebra; Concept and components of national curve; Economic growth and its determinants. | & closed); Ex model; Grown Optimum Gro al income; Fo | pected th mode owth M orms of | Inflation Augme els – Domar, Har odel, Solow, Me investment; Phi | nted rod, 15 ade, llips |
| | | | J | Total Contact He | ours 60 |
| 4 | Suggested Ev | aluation Met | hods | | |
| | Internal Assessment: 30 | | | End Term | Examination: 70 |
| > Th | leory | 30 | A | Theory: | 70 |
| • Class | s Participation: | 5 | | Writter | n Examination |
| • Semi | nar/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.

3031

- 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.

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| | Session: 2 | 024-25 | | | | |
|--|--|---|---|---|--|---|
| | Part A – | Introduction | | | 3 | |
| Name of P | rogramme | M.A. Economics | | | | |
| Semester | | Fourth | | | | |
| Name of t | he Course | Economic Growth Models | | | | |
| Course Co | ode | M24-ECO-407 | | | | |
| Course Ty | ре | DEC-7 | | | | |
| Level of the | ne course | 500-599 | | | | |
| Pre-requis | ite for the course (if any) | n.a. | | | | |
| Course Le | arning Outcomes (CLO) | CLO 1: Understand | the ba | sic concepts and tools used | in grow | th models. |
| After com able to: | pleting this course, the learner will b | of growth with their CLO 3: To compre mathematical treatm CLO 4: To be awar development, knowl | nd the histor chend ent. re of edge. | classical growth models, ro ical origins. the neo-classical and Cam the new growth theory wit technical progress. | le of inr bridge h focus | novations and stages growth models with on human resource |
| Credits | | Theory | 0, | Tutorial | Total | |
| a ⁵¹ | | 4 | | 0 | 4 | |
| Teaching | Hours per week | 2 | | 1 | | |
| Teaching | ilouis per week | 3 | | | 4 | |
| Internal A | ssessment Marks | 30 | | 0 | 30 | |
| End Term | Exam Marks | 70 | | 0 | 70 | A |
| Max. Mari | Max. Marks 100 0 100 | | | | | |
| Examination Time 3 hours | | | | | | |
| Part B-Co | ntents of the Course | | | | | |
| question by least 4 parts and the com Unit | taking course learning outcomes (CL s covering entire syllabus. The examin pulsory question. All questions will ca Topics | Os) into consideration nee will be required to arry equal marks. | atten | compulsory question (Ques npt 5 questions, selecting or | stion No ne quest | b. 1) will consist at ion from each unit Contact Hours |
| I | Fundamentals of Growth Models | | | · · · · · · · · · · · · · · · · · · · | | |
| 11 | Positive and Normative Theories; T Growth; Purposes of Growth Models; Economic Growth and Development World Income Distribution, and H characteristics; Trends in Development General Approaches to Economic C Classical Theories: Theory of Econor | Theories and Models; Types of Growth the Concepts and Indic History of Modern thistory of Modern thinking. Growth nic Development by A | Conc ory; F ators; Grow | Septs of Growth Rate, and Role of assumptions. Introdu Importance of Economic of th Theory: Simon Kuzner Smith and David Ricardo; I | Steady ction to Growth, ts's six Marxian | 15 |
| | Pattern of Structural Change; The Sch | Rostow Doctrine: stag sumpeterian theory of l | es of Econo | Economic Development, Chomic Development. | ienery's | |
| 111 | Growth Models Instability of Equilibrium: Harrod-D Solow's Neo-Classical Growth Mode Models (Lewis), Cambridge Models: | omar Model of Econ el; Duesenberry's Opt Joan Robinson model | iomic imum and | Growth; Convergence hyp Growth Model, Structural Kaldor model. | othesis, Change | 15 |
| IV | V New Growth Theory Production Function Approaches: Learning by Doing; Total Factor Productivity; Growth 15 Accounting, Ramsay's rule and optimal saving; Technical Progress: Hicks and Harrod; Endogenous Growth Models (Romer model, Uzawa-Lucas model and AK model), Role of Health and Education in Economic Development | | | | | 15 |
| 21 | Tota | l Contact Hours | | | | 60 |
| | | Suggested Evaluation | on Me | ethods | | |
| Internal As | sessment: 30 | | | End Term Examination: " | 70 | |
| > Theo | ry | a na hana mara an 627 kan na hana kana kana kana kana kana ka | 30 | > Theory: | 70 | |
| Class P | articipation: | | 5 | Written Examination | | |
| • Semina | r/presentation/assignment/quiz/class to | st etc · | 10 | | | |
| - Schilla | n presentation/assignment/quiz/ciass te | 51 010 | | 1 | | |

305

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| • Mid-Term Exam: | 15 | |
|---------------------------|----|--|
| Part C-Learning Resources | | |

- 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.
- 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.
- https://www.youtube.com/watch?v=s842kckI6Ak

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| Session: 2025-26 | | | | | |
|------------------|---|---------------------|-----------------------------------|--------------------------|--|
| | Par | t A – Introduction | n | | |
| Name of P | rogramme | | | | |
| Semester | | Fourth | | | |
| Name of t | he Course | Economics of He | Economics of Health and Education | | |
| Course Co | ode | M24-ECO-408 | | | |
| Course Ty | ре | DE | EC-7 | - | |
| Level of th | ne course | 500 | -599 | | |
| Pre-requis | ite for the course (if any) | CLO1 U.1 | n.a. | | |
| Course Le | earning Outcomes(CLO) | CLO I: Unders | stand microeconomic found | lations of education and | |
| to: | pleting this course, the learner will be able | CLO 2: Examin | ne issues related to market | failure and public | |
| | | intervention's r | ationale in education and h | ealth. | |
| 17 | | CLO 3: Evalu | ate the equity and effici | iency of education and | |
| | | healthcare system | ems. | | |
| | | CLO 4: Examin | ne issues related to market | failure. Public | |
| G | | intervention's r | ationale, and equity and ine | equality in healthcare. | |
| Credits | | Ineory | Tutorial | Iotai | |
| | | 4 | 0 | 4 | |
| Teaching | Hours per week | 3 | 1 | 4 | |
| Internal A | ssessment Marks | 30 | 0 | 30 | |
| End Term | Exam Marks | 70 | 0 | 70 | |
| Max. Mar | ks | 100 | 0 | 100 | |
| Examinati | on Time | 3 hours | | | |
| | Part B-0 | Contents of the C | Course | | |
| Instruction | is for Paper- Setter: The examiner will | set 9 questions | asking two questions fro | m each unit and one | |
| compulsory | question by taking course learning outcom | nes (CLOs) into co | onsideration. The compulse | ory question (Question | |
| No. 1) will | consist at least 4 parts covering entire syllat | ous. The examinee | will be required to attemp | t 5 questions, selecting | |
| Unit | n from each unit and the compulsory questo | on. All questions v | vill carry equal marks. | Contact Hours | |
| I | Introduction to Health Fearan | nics The state of | and scope of health econ | Contact Hours | |
| 1 | Human capital and health: Heal | th as a Social I | ndicator: Health and Eco | | |
| | Development: Inter-linkage, Det | erminants of hea | alth: Poverty, Malnutritic | | |
| | Environmental quality; Change of | health status over | r time; Components of ecc | | |
| | appraisal of health programmes. | | | 15 | |
| II | Microeconomic Foundations and | l Market Dynam | ics in Health Economics- | | |
| | Microeconomic Foundations of | Health Economi | ics: Demand for health; | | |
| | uncertainty and health insurance | market; alternativ | ve insurance mechanisms; | 15 | |
| | Supply of health and healthcare | services. Relevant | ce of production function. | 15 | |
| | Issues and Challenges of healthcar | e production; Fact | tors affecting the supply of | | |
| | healthcare services; Public-Priv | ate Dichotomy | in Providing Healthcare | | |
| | Services. | | | | |
| III | Economics of Education: Introduction | to Economics | of Education; The basic | | |
| | economic perspective on education; Rate | of return to educ | cation: private and social; | | |
| | quality of education; Concepts of the plants input substitution diminishing m | arginal returns a | n in economics - inputs, | | |
| | scarce resources in the production of educat | tion. | oprouenes to anotation of | | |
| | | | | 15 | |
| IV | Human Capital: Human capital theory an | nd the demand fo | or education, the signaling | | |
| | model of schooling and wages, economists | measure of priva | te returns to schooling and | | |
| | difficulties in measurement. Importance in | n poverty alleviat | ion; health and education | | |
| | outcomes and their relationship with macro | economic perform | ance. | 15 | |
| | L | | | 15 | |

307

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| Total Contact hours | | | | 60 |
|---|------------|--------------------|----------|-----------------|
| Suggested Eval | uation Met | hods | | |
| Internal Assessment: 30 | | | End Term | Examination: 70 |
| > Theory | 30 | $\mathbf{\lambda}$ | Theory: | 70 |
| Class Participation: | 5 | | Written | Examination |
| • Seminar/presentation/assignment/quiz/class test etc.: | 10 | | | |
| • Mid-Term Exam: | 15 | | | |
| Part C-Learni | ng Resour | ces | | |

- Anthony J. Cuyler and Joseph P.(ed), Handbook of Health Economics, Newhouse, 2000, NorthHolland, Elsevier Science.
- Clewar, Ann, and David Perkins, Economics for Health Care Management, 1998, London: Prentice Hall.
- Folland, Sherman, Allen Goodman, and Miron Stano, The Economics of Health and Health Care, 2001, New York: Macmillan, Third Edition.
- Rice, Thomas, The Economics of Health Reconsidered, ,1998, Chicago: Health Administration Press.
- Sherman Folland, Allen C. Goodman, and Miron Stano, The Economics of Health and Health Care, 2004, 4th Edition, Prentice Hall.
- Santerre and Neun, Health Economics: Theories, Insights, and Industry Studies, 2004, Thomson/South Western.
- Feldstein, P. J., Health Care Economics, 1979, John Wiley & Sons, New York.
- Folland, Goodman & Stano, The Economic of Health and Health Care, 1997, Prentice Hall, New Jersey.
- Musgrove P, Public and Private Roles in Health: Theory and Financing Patterns, Discussion Paper No. 319, 1996, World Bank, Washington DC.
- Becker G.S., Human Capital: A theoretical and empirical analysis with special reference to education, 1964, Columbia University Press, NY.
- Belfield, C. R., Economic Principles for Education: Theory and Evidence, 2000, Edward Elgar Publishing Inc.
- Brewer, D. J. and Patrick J. McEwan, Economics of Education, 2010, Elsevier.
- Johnes, G. and J. Johnes, International Handbook on the Economics of Education, 2004, Edward Elgar Publishing Ltd, Cheltenham, UK.
- Ladd, Helen F. and Margaret Goertz (eds.), Handbook of Research in Education Finance and Policy, 2nd edition, 2015, New York: Taylor & Francis.
- William, Jack, Principles of Health Economics for Developing Countries, 1999, World Bank Institute Development Studies.
- World Development Report, Investing in Health, 1993, The World Bank.
- Ronald G., Ehrenberg and Robert S., Smith, Modern Labor Economics: Theory and Public Policy, 2005, Addison Wesley.

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308

| Session: 2024-25 | | | | |
|---|--|---|-----------------------|--|
| Part A – Introduction | | | | |
| Name of Programme | | | | |
| Semester | Fourth | | | |
| Name of the Course | Time Series Econo | ometrics | | |
| Course Code | M24-ECO | -409 | | |
| Course Type | DE | C- 7 | | |
| Level of the course | 500- | -599 | | |
| Pre-requisite for the course (if any) | Basic know | ledge of econometrics, stati | istics, and calculus. | |
| Course Learning Outcomes (CLO) | ristics, components like | | | |
| to: | conduct Dickey-Fuller A models, including integration, error | | | |
| | | | | |
| | CLO 5: Demonstr CLO 1-4 through | ate the ability to solve the p software. | problems mentioned in | |
| | Theory | Practical | Total | |
| | 3 | 1 | 4 | |
| Teaching Hours per week | 3 | 2 | 5 | |
| Internal Assessment Marks | 30 | 0 | 30 | |
| End Term Exam Marks | 50 | 20 | 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; | | | | |
| Unit | opics | 1 | Contact Hours | |
| I Time Series Basics and Components Introduction to time series data: character Components: Trend, seasonality, cyclical series plots and visualizations. Basic Com- autocorrelation, and white noise. Time averages, exponential smoothing, and trend Self Study Contents (not relevant for exa Measures of central tendency, dispersion, a | 12 | | | |
| II Stationarity and Testing Stationarity and its importance in time series process, Random Walk Model, Dickey-Fu KPSS Test, Phillips-Perron (PP) Test, Ellio spurious regression and co-integration of time error correction mechanism (ECM) | 11 | | | |
| III Univariate Time Series Models Autoregressive (AR) Models: Definition, properties, and estimation methods. Moving Average (MA) Models: Characteristics, invertibility, and estimation techniques. Autoregressive Moving Average (ARMA) Models: Combination of AR and MA models, stationarity conditions, and model identification. Autoregressive Integrated Moving Average (ARIMA) Models: Integration of differencing, AR, and MA components, Box-Jenkins methodology for model identification, estimation, and dignestics. Seasonal ARIMA (SARIMA) Models: Entencing of ARIMA (SARIMA) | | | 11 | |
| models, stationarity conditions, and mod Moving Average (ARIMA) Models: In components, Box-Jenkins methodology diagnostics. Seasonal ARIMA (SARIMA) | | | | |

3100

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| • Sen | ninar/presentation/assignment/quiz/class test etc.: | 5 | | |
|---------------------|---|---|--|---------------|
| • Cla | ss Participation: | 5 | Written Examination | |
| r ∢ | Theory | 20 | > Theory: | 50 |
| | Internal Assessment: 30 | | End Term Ex | amination: 70 |
| | Suggested Evaluation | Methods | | |
| Total Contact Hours | | | | 75 |
| V | Practicals 1.Students will prepare a Practical file containing 4 Practic 2. Practicals may be done using the software chosen by the 3. The external examiner shall take the written exam follow 4. Syllabus contains all the contents mentioned in the four | cals from each to teacher. wed by viva vo units. | unit. ce. | 30 |
| IV | models. Advanced Time Series Models Vector Autoregressive (VAR) models: VAR model spec response analysis, and forecasting. Cointegration and Erro Testing for cointegration, Granger causality, Condition (ARCH, GARCH) Introduction to Panel data method: problems with panel effects and fixed effects methods | ification, estim or Correction Monal Heterosce data, Pooled | nation, impulse Models (ECM), dastic Models OLS, Random | 11 |
| | include seasonal components. Self-Study Contents: (not relevant for exams): Basic statis such as hypothesis testing and confidence intervals, Lag st | stical inference ructures in reg | techniques | |

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10

5

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P

Practical

20

Lab record, Viva-Voce, write-up and

execution of the Practical

Recommended Books/E-Resources/LMS:
 Brockwell, P. J., & Davis, R. A. (2016). Introduction to time series and forecasting (3rd ed.). Springer Science & Business Media.

• Gujarati, D.N. (1995).Basic Econometrics. McGraw Hill, New Delhi.

• Seminar/Demonstration/Viva-voce/Lab records etc .:

Mid-Term Exam:
 Practical

• Class Participation:

• Mid-Term Exam:

- Hamilton, J. D. (1994). Time series analysis. Princeton University Press.
- Hyndman, R. J., & Athanasopoulos, G. (2018). Forecasting: principles and practice (2nd ed.).
- Lutkepohl, H. (2005). Handbook of econometrics (Vol. 6, pp. 3560-3828). Elsevier.
- Stock, J. H., & Watson, M. W. (2018). Introduction to econometrics (4th ed.). Pearson Education Limited.

Part C-Learning Resources

- Wei, W. W. S. (2006). Introductory time series analysis with R. Springer Science & Business Media.
- Wooldridge, J. M. (2010). Econometric analysis of cross section and panel data (2nd ed.). MIT press.

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| Session: 2024-25 | | | | | |
|---|--|--|--|--|--|
| Part A – Introduction | | | | | |
| Name of I | Programme | M.A. Economics | | | |
| Semester | | Fourth | | | |
| Name of | the Course | Financial Derivatives | | | |
| Course C | ode | M24-ECO-411 | | | |
| Course T | уре | DEC-8 | | | |
| Level of t | he course | 500 | -599 | | |
| Pre-requis | site for the course (if any) | | n.a. | | |
| Course Learning Outcomes (CLO) CLO 1: Understand the meaning and types | | | s of financial derivatives | | |
| to: | pleting this course, the learner will be able | along with pricing of forward and futures. CLO 2: Understand how the hedging is done using futures? CLO 3: Understand options mechanism along with their pricing. CLO 4: Understand Greeks and various options trading strategies | | | |
| | | CLO 5: Demor in conter | nstrate the ability to solve ats with the help of a softw | the problems mentioned are. | |
| Credits | | Theory | Practical | Total | |
| | | 3 | 1 | 4 | |
| Teaching | Hours per week | 3 | 2 | 5 | |
| Internal A | Assessment Marks | 20 | 10 | 30 | |
| End Term | n Exam Marks | 50 | 20 | 70 | |
| Max. Mar | rks | 70 | 30 | 100 | |
| Examinat | ion Time | 3 hours | 3 hours | | |
| | Part B- | Contents of the C | Course | | |
| No. 1) will one questic Unit | consist at least 4 parts covering entire sylla on from each unit and the compulsory questi T | bus. The examinee on. All questions w opics | will be required to attemp vill carry equal marks. | t 5 questions, selecting Contact Hours | |
| I | Forwards and Futures | | | | |
| Meaning, Types, Profit & Pay-offs from Financial derivatives; Mechanics of Futures Market: Transactions on a Futures Exchange; Specifications of a Futures Contracts; Operation of Margins; Convergence of Futures price to Spot Price; Determination of Forward/Futures prices: Investment vs. Consumption assets; Short selling; Determination of Forward prices - Cash-and Carry & Reverse Cash & Carry Arbitrage; Value of Forward Contracts | | | | 11 | |
| Hedging using Futures Hedging Strategies using Futures: Uses of Futures contracts; Hedging – Long and Short Hedge, Choice of Futures contract, No. of Futures contracts – Hedge Ratio; Hedge effectiveness; Basis Risk; Cross hedging; Hedging with Index Futures; Changing the portfolio beta using Futures: Rolling the hedge forward. | | | 11 | | |
| III Options Mechanics of Options: Specifications of Options Contracts; Moneyness of Options; Types of options; Trading & Settlement; Factors affecting Option prices; Put-Call parity & its uses; Valuing Options: Binomial Option Pricing Model, one-step, two step binomial trees for Call & Put options; Black-Scholes-Merton Option Pricing Model (BSMOPM) | | | 12 | | |
| IV Greeks and Strategies The Greeks: Delta, Gamma, Theta, Vega, and Rho - Meaning, Properties and Uses. 9. Trading Strategies using Options: Strategies involving option & stock – Covered Call & Protective put; Spreads – Bullish, Bearish, Butterfly; Combinations – Straddles, Strangles, Strips & Straps; Other Strategies – Collars, Box Spread, Ratio Spread, Condors; Synthetic Stocks. | | | 11 | | |
| V | Practicals: | aining ? Desetion 1- | from each unit | 30 | |
| | 1. Students will prepare a Practical file cont | aming 2 Practicals | nom each unit. | | |

303 312

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1000

| Practicals may be done using the software chosen The external examiner shall take the written exam Syllabus contains all the contents mentioned in th | n by the te n followed ne four un | acher. l by viva voce. its. | | |
|---|---|--|----|--|
| Total Contact Hours | | | 75 | |
| Suggested Evalu | uation Mo | ethods | | |
| Internal Assessment: 30 | essment: 30 End Term Exami | | | |
| > Theory | 20 | > Theory: | 50 | |
| Class Participation: | 5 | Written Examination | | |
| • Seminar/presentation/assignment/quiz/class test etc.: | 5 | 0 | | |
| • Mid-Term Exam: | 10 | | | |
| > Practical | 10 | > Practical | 20 | |
| Class Participation: | 5 | Lab record, Viva-Voce, write-up and execution o the Practical | | |
| • Seminar/Demonstration/Viva-voce/Lab records etc.: | 5 | | | |
| • Mid-Term Exam: | - | | | |
| Part C-Learni | ng Resol | Irces | | |

Hull, J. (2006). Options, Futures and Other Derivative Securities. Prentice Hall.

Kolb, Robert W. (1996). Financial Derivatives. Blackwell Publishing.

Kolb, Robert W. & Overdahl, James (2006). Understanding Futures Markets. Blackwell Publishing.

McDonald, R. (2002). Derivatives Markets. Addison-Wesley Publishing, Boston.

Reilly, F.K. & Brown, K.C. (2012). Investment Analysis and portfolio management. South-Western Cengage Learning.

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318 313

| Session: 2024-25 | | | | |
|---|---|--|---|---|
| Part A – Introduction | | | | |
| Name of P | rogramme | M.A. Economics | | |
| Semester | | Fourth | | |
| Name of t | he Course | Economic Modell | ing - II | |
| Course Co | ode | M24-ECO-412 | | |
| Course Ty | pe | DEC-8 | | |
| Level of t | ne course | 500- | -599 | |
| Pre-requis | ite for the course (if any) | n.a. | | |
| Course Learning Outcomes (CLO) After completing this course, the learner will be able to: CLO 1: Understand, apply and solve the saset pricing using selected software. CLO 2: Understand and compute variou analysis. CLO 3: Understand and compute the saset besides designing hedging strategie CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hedging strategies CLO 4: Understand and compute the saset besides designing hed | | s problems in predictive value of financial assets ss. futures price along with | | |
| | | CLO 5: Demon | istrate the ability to solve | the problems mentioned |
| Credits | | Theory | Practical | Total |
| Cieuno | | 3 | 1 | 4 |
| Tarahina | II | 3 | 2 | 5 |
| Teaching | Hours per week | 3 | 2 | 5 |
| Internal A | ssessment Marks | 20 | 10 | 30 |
| End Term | Exam Marks | 50 | 20 | 70 |
| Max. Mar | ks | 70 | 30 | 100 |
| Examinati | on Time | 3 hours | 3 hours | |
| Instruction compulsory No. 1) will | is for Paper- Setter: The examiner will question by taking course learning outcom consist at least 4 parts covering entire syllab | set 9 questions nes (CLOs) into co ous. The examinee | asking two questions fro onsideration. The compuls will be required to attemp will carry equal marks | om each unit and one ory question (Question ot 5 questions, selecting |
| Unit | n from each unit and the compulsory questo | onics | in carry equal marks. | Contact Hours |
| I | I I Modelling Volatility in Finance and Economics: ARCH, GARCH and EGARCH Models 2 Fundamental and Technical Analysis | | | 11 |
| | 3. Risk and Return of Portfolio | | | |
| | 4. Capital Asset Pricing Model (CAP) | (N | | |
| SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA | | | | |
| II 5. Logistic Regression using Maximum Likelihood in Predictive Analytics | | | | |
| 6. Logistic Regression using Trend in Predictive Analytics | | | 11 | |
| 7. Exponential Smoothening in Predictive Analytics | | | | |
| 8. Working with Moving Averages in Predictive Analytics | | | | |
| SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA | | | | |
| III 9. Multiple Linear Regression in Predictive Analytics | | | | |
| 10. The Black Scholes Merton Model | | | 11 | |
| 11. Binomial Trees | | | | |
| 12. Trading Strategies involving Options | | | | |
| SELF STUDY CONTENTS (not relevant for exams): Excel functions, SPSS, E-VIEWS, STATA | | | | |
| | | | | 1 |

316

Chairman, Department of Economics Kurukshetra KURUKSHETRA-1

| IV | IV 13. Determination of Forward and Future Prices | | | | 12 |
|---|--|---------------|--|------------------|---------------------------|
| | 14. Hedging using Futures | | | | |
| | 15. Relevant Costs For Discounted Cash Flow Analysis: Incremental Cash Flows | | | | |
| | 16. Dummy variables analysis | | | | |
| | 10. Dummy variables analysis | | | | |
| | SELF STUDY CONTENTS (not relevant for exams): | | | | |
| | Excel functions, SPSS, E-VIEWS, STATA | | | | |
| V | V Decentral | | | | |
| v | V Practicals 1 Students will prepare a Practical file containing 4 Practicals from each unit | | | | 50 |
| | 2. Practicals may be done using the software chosen by | the te | acher. | | |
| | 3. The external examiner shall take the written exam fo | llowed | d by viva | a voce. | |
| | 4. Syllabus contains all the contents mentioned in the for | our un | its. | | |
| | | | | | |
| | Total Contact Hours | | | 75 | |
| ļ, | Suggested Evaluati | on Me | ethods | | |
| | Internal Assessment: 30 | 20 | | End Term Ex | amination: 70 |
| | leory | 20 | | Theory: | 50 |
| • Class | s Participation: | 5 Written Exa | | | camination |
| • Semi | inar/presentation/assignment/quiz/class test etc.: | 5 | | | |
| • Mid- | Term Exam: | 10 | | | |
| > Pr | ractical | 10 | > | Practical | 20 |
| Class Participation: 5 La | | | Lab record, Viva-Voce, write-up and execution of | | |
| Seminar/Demonstration/Viva-voce/Lab records etc.: 5 | | | the Pr | actical | |
| • Mid- | -Term Exam: | - |] | | |
| | Part C-Learning | Reso | urces | | |
| Recom | mended Books/e-resources/LMS: | | | | |
| Gary | y Koop: Analysis of economic data, John Wiley & Sons, 2 | 005 | - | | |
| Thore | mas Cleff: Applied Statistics and Multivariate Data Ana | lysis | for Busi | ness and Econom | ics: A Modern Approach |
| Usin | ng SPSS, Stata, and Excel, Springer | | | | 2 |
| • Kurt | Kurt Jechlitschka, Dieter Kirschke and Gerald Schwarz: Microeconomics using Excel: Integrating economic theor | | | | |
| polic Shm | policy analysis and spreadsheet modeling, Koutlage Shmuel Oluwe: Hands On Financial Modeling with Excel for Microsoft 365. Packt Publishing | | | | |
| • Abd | ulkader Aliandali and Motasam Tatahi: Economic and Fi | nancia | al Model | ling with FViews | -A Guide for Students and |
| Prof | Sessionals | nanole | | ing with L views | Tr Surde for Students and |
| Joaq | uim P. Marques de Sá: Applied statistics using SPSS, ST. | ATIST | ICA, M | ATLAB and R, S | pringer . |

Robert P. Burns, Richard Burns : Business Research Methods and Statistics Using SPSS, Sage .

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| S | Session: 2024-25 | | |
|--|--|-------------------------------|---|
| Par | t A – Introduction | 1 | |
| Name of Programme | M.A. Economics | | |
| Semester | Fourth | | |
| Name of the Course | Advanced Econon | netrics | |
| Course Code | M24-ECO-413 | | |
| Course Type | DEC-8 | | |
| Level of the course | 500-599 | | |
| Pre-requisite for the course (if any) | Basic knowledge of econometrics, statistics, and calculus. | | |
| Course Learning Outcomes (CLO) | CLO 1 : Address | biases and consistency is | sues in OLS estimators, |
| After completing this course, the learner will be able | apply identification | on rules, and utilize estin | nation methods such as |
| to: | ILS, IV, 2SLS, an | d 3SLS. | |
| | CLO 2 : Detect o | outliers, implement robust | regression methods (M- |
| | estimators, Huber | 's method, LAD), and app | oly advanced techniques |
| | like LASSO and Q | Quantile Regression in econ | nomic analysis. |
| | CLO 3 : Evaluate | e model fit using R-squar | ed, choose models with |
| | AIC, BIC, and cr | oss-validation, and handle | e overfitting/underfitting |
| × . | issues in regressio | n analysis. | |
| | CLO 4 : Constru | ct and interpret dummy | variables, estimate fixed |
| | effects models, an | na utilize models like LPI | M, Logit, and Probit for |
| | categorical outcon | nes in economics. | 10 y 2010 () 11 Tani, ger (galan - 2010) - 12 y 1 |
| | CI O 5 · · Demons | trate the ability to solve th | a problems mentioned in |
| | contents with the | help of a software | e problems mentioned m |
| | 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 (| ourse | |

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 Estimators; The Identification Problem; Rules of Identification- Order and Rank Conditions. Methods of Estimating Simultaneous Equation System: Indirect Least Squares (ILS), Instrumental Variables (IV), 2SLS and 3SLS Methods | 15 |
| 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. | 15 |
| 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 | 15 |
| IV | Dummy Variables and Fixed Effects Models: Definition and construction of dummy | ~ |

315

Chairman Department of Economics Kurukshetra University,

| var and Var and by | iables Use of dummy variables to represent categori i its interpretation, Applications of dummy variable riable Trap, Uses of Dummy variable for testing stru- i interaction effect. LPM, Logit and Probit Models. LSDV method | cal va ables ictura Fixe | iriables, reference categ in Economics, Dum l change, seasonal anal d effects model estimat | ory nmy 15 ysis tion | |
|--------------------------------------|---|---|---|--|--|
| V Prz 1.S 2. F 3. 7 4. S | acticals tudents will prepare a Practical file containing 4 Prace Practicals may be done using the software chosen by The external examiner shall take the written exam fo Syllabus contains all the contents mentioned in the for | cticals the te llowed | s from each unit. eacher. d by viva voce. its. | 30 | |
| l | Total Contact Hours | | | 75 | |
| | Suggested Evaluati | on M | ethods | | |
| | Internal Assessment: 30 | | End Term | Examination: 70 | |
| > Theory | | 20 | > Theory: | 50 | |
| Class Parti | cipation: | 5 | Written | Examination | |
| • Seminar/pr | resentation/assignment/quiz/class test etc.: | 5 |] | | |
| • Mid-Term | Exam: | 10 | | | |
| > Practica | al | 10 | > Practical | 20 | |
| Class Parti | cipation: | 5 | Lab record, Viva-Voc | e, write-up and execution of | |
| • Seminar/D | emonstration/Viva-voce/Lab records etc.: | 5 | the Practical | | |
| • Mid-Term | Exam: | - | | | |
| | Part C-Learning | Reso | urces | | |
| Recommended • • • • • | d Books/E-Resources/LMS: Amemiya, T. (1985).Advanced Econometrics. Ha Andersen, R. W. (2008). Modern Methods for Ro Burnham, K. P., & Anderson, D. R. (2002). M Information-Theoretic Approach (2nd ed.). Sprin Cantoni, E., & Ronchetti, E. (2001). Robust Infer Fox, J. (2015). Regression Diagnostics (2nd ed.). Gujarati, D.N. (1995).Basic Econometrics. McGri Harrell, F. E. Jr. (2015). Regression Modeling Regression, and Survival Analysis (2nd ed.). Sprin Hastie, T., Tibshirani, R., & Friedman, J. (2009) New York Inc (Chapter 7) | Arvard bbust I Model ger-V ence Sage aw H Strate inger . The | l University Press, Cam Regression. Sage Public Selection and Multim 'erlag. (Chapter 10) for Parametric Statistics Publications.(Chapter ill, New Delhi. egies with Applications International Publishing Elements of Statistical | bridge, Mass. cations nodel Inference: A Practical s. Chapman and Hall/CRC 12,13 &19) s in Linear Models, Logistic g (Chapter 2, 3 & 11) Learning (2nd ed.). Springer | |
| | Intrilligator, M.D. (1978). Econometric Methods | Tech | niques and Applicatio | ns. Prentice Hall Englewood | |

- Intrilligator, 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.

34 317

1. 2

Chairman,

Department of Economics Kurukshetra University, KURUKSHETRA-136119.

| | S | ession: 2024-25 | | |
|---|---|---|---|--|
| | Part | A - Introductio | n | |
| Name of | Programme | M.A. Economics | i | |
| Semester | r | Fourth | | |
| Name of | f the Course | Introduction | to GST | |
| Course (| Code | M24-EC | O-415 | |
| Course 7 | Гуре | EEC | | |
| Level of | the course | 500 | -599 | |
| Pre-requ | isite for the course (if any) | | n.a. | |
| Course I | Learning Outcomes (CLO) | CLO 1: Under | rstand the basics of GST (g | oods and services tax) |
| After completing this course, the learner will be able along with its forms, signification along with | | forms, significance, and mac | hinery. | |
| to: | | CLO 2: Elucidate and analyze the fundamental concepts involved | | |
| | | in the levy and | collection of GST and comp | oute GST. |
| | | CLO 3: Appred | ciate the mechanism of Inpu | t Tax Credit (ITC) as a |
| | | CLOA: Evaluation | ting cascading of taxes. | navisions un der CCT |
| | | CLO 4: Explai | n the procedures and special | provisions under GS1 |
| Credits | 5 (| Theory | Tutorial | Total |
| creans | | Theory | Tutorial | Total |
| - | | 2 | 0 | 2 |
| Teachin | g Hours per week | 2 | 0 | 2 |
| Internal | Assessment Marks | 15 | 0 | 15 |
| End Ter | m Exam Marks | 35 | 0 | 35 |
| Max. Ma | arks | - 50 | 0 | 50 |
| Examina | ation Time | 3 hours | | |
| | Part B - | Contents of the | Course | |
| Instruction | ons for Paper- Setter: The examiner will | set 9 questions | asking two questions from | a each unit and one |
| Instruction compulso No. 1) wi one quest | ons for Paper- Setter: The examiner will bry question by taking course learning outcom Il consist at least 4 parts covering entire syllab ion from each unit and the compulsory question | set 9 questions hes (CLOs) into co ous. The examinee on. All questions w | asking two questions from onsideration. The compulsor e will be required to attempt will carry equal marks. | a each unit and one y question (Question 5 questions, selecting |
| Instruction compulso No. 1) wi one quest Unit | ons for Paper- Setter: The examiner will bry question by taking course learning outcom Il consist at least 4 parts covering entire syllab ion from each unit and the compulsory question T | set 9 questions nes (CLOs) into co ous. The examined on. All questions v opics | asking two questions from onsideration. The compulsor e will be required to attempt will carry equal marks. | a each unit and one y question (Question 5 questions, selecting Contact Hours |
| Instruction compulso No. 1) wi one quest Unit I | ons for Paper- Setter: The examiner will bry question by taking course learning outcom ll consist at least 4 parts covering entire syllab ion from each unit and the compulsory question The Preliminary Topics in GST | set 9 questions nes (CLOs) into co ous. The examinee on. All questions v opics | asking two questions from onsideration. The compulsor e will be required to attempt will carry equal marks. | n each unit and one y question (Question 5 questions, selecting Contact Hours 7.5 |
| Instruction compulso No. 1) wi one quest Unit | ons for Paper- Setter: The examiner will bry question by taking course learning outcom ill consist at least 4 parts covering entire syllab ion from each unit and the compulsory question T Preliminary Topics in GST Concept, Rationale, and Historical backgroup | set 9 questions nes (CLOs) into co ous. The examinee on. All questions v opics | asking two questions from onsideration. The compulsor e will be required to attempt will carry equal marks. ms of GST in India: SGST, | n each unit and one y question (Question 5 questions, selecting Contact Hours 7.5 |
| Instruction compulso No. 1) wi one quest Unit I | ons for Paper- Setter: The examiner will bry question by taking course learning outcom ill consist at least 4 parts covering entire syllab ion from each unit and the compulsory question T Preliminary Topics in GST Concept, Rationale, and Historical backgron CGST, UTGST, and IGST; Machinery und Compensation Mechanism Registration and | set 9 questions nes (CLOs) into co ous. The examinee on. All questions v opics ound of GST; Forn der GST: GST Co d GST Suvide P | asking two questions from onsideration. The compulsor e will be required to attempt will carry equal marks. ms of GST in India: SGST, puncil, GST Network, State | n each unit and one y question (Question 5 questions, selecting Contact Hours 7.5 |
| Instruction compulso No. 1) wi one quest Unit I | ons for Paper- Setter: The examiner will ory question by taking course learning outcom Il consist at least 4 parts covering entire syllab ion from each unit and the compulsory question T Preliminary Topics in GST Concept, Rationale, and Historical backgron CGST, UTGST, and IGST; Machinery und Compensation Mechanism, Registration, an | set 9 questions nes (CLOs) into co ous. The examined on. All questions v opics ound of GST; Forn der GST: GST Co d GST Suvidha Pr | asking two questions from onsideration. The compulsor e will be required to attempt will carry equal marks. ms of GST in India: SGST, puncil, GST Network, State roviders (GSP). | n each unit and one y question (Question 5 questions, selecting Contact Hours 7.5 |
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| Instruction compulso No. 1) wi one quest Unit I I II | ons for Paper- Setter: The examiner will ory question by taking course learning outcom Il consist at least 4 parts covering entire syllab- ion from each unit and the compulsory question Preliminary Topics in GST Concept, Rationale, and Historical background CGST, UTGST, and IGST; Machinery und Compensation Mechanism, Registration, and SELF STUDY CONTENTS (not relevant for Basic knowledge of direct and indirect taxe Levy and Collection of GST Rates of GST; Taxable event - Supply of Supply; Valuation rules for GST; Exa Composition Scheme; Classification of C Supplies. SELF STUDY CONTENTS (not relevant for Division of powers among various levels of revenue collection and revenue sharing among Theory of Input Tax Credit (ITC) Eligible and Ineligible ITC: Apportionmen | set 9 questions hes (CLOs) into co ous. The examinee on. All questions w opics ound of GST; Forn der GST: GST Co d GST Suvidha Pr or exams) s. of Goods and Servic foods and Servic or exams): of government reg ong various levels | asking two questions from onsideration. The compulsor e will be required to attempt will carry equal marks. ms of GST in India: SGST, buncil, GST Network, State roviders (GSP). rvices; Place and Time of GST: Small Supplies and ees: Composite and Mixed garding tax imposition; Tax of government in India. | n each unit and one y question (Question 5 questions, selecting Contact Hours 7.5 7.5 7.5 |
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318

Chairman Department of Economics Kurukshetra University, KURUKSHETRA-13611°.

| Self-Assessment, Summary and Scrutiny. | | | |
|---|--------------------------------|----------------------------------|--------------------------------------|
| Special Provisions: Taxability of E-Commerce, A | Anti-Profite | ering, Avoidance of | dual |
| control, E-way bills, Zero-rated supply, Offences an | nd Penalties | | |
| | - | | |
| SELF STUDY CONTENTS (not relevant for exam | s) | | |
| Nil | | | |
| Total Contact Hours | | | 30 |
| Suggested Eval | uation Met | hods | |
| | | | |
| Internal Assessment: 15 | | End Term I | Examination: 35 |
| Internal Assessment: 15 > Theory | 15 | End Term I > Theory: | Examination: 35 35 |
| Internal Assessment: 15 > Theory • Class Participation: | 15 4 | End Term J Theory: Written | Examination: 35 35 Examination |
| Internal Assessment: 15 > Theory • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: | 15 4 4 | End Term I Theory: Written | Examination: 35 35 Examination |
| Internal Assessment: 15 > Theory • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: | 15 4 4 7 | End Term J Theory: Written | Examination: 35 35 Examination |
| Internal Assessment: 15 > Theory • Class Participation: • Seminar/presentation/assignment/quiz/class test etc.: • Mid-Term Exam: Part C-Learni | 15 4 4 7 ng Resour | End Term I Theory: Written | Examination: 35 35 Examination |

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210

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2 /

Chairman,

Department of Economics Kurukshetra University, KURUKSHETRA-136119.