

**KURUKSHETRA UNIVERSITY, KURUKSHETRA**  
**(Established by the State Legislative Act XII of 1956)**  
**(“A+” Grade, NAAC Accredited)**

Scheme of Examination of B.A. (Hons.) in Economics Semester 1<sup>st</sup> to Semester 6<sup>th</sup> w.e.f. Session 2020-2021, Under Choice Based Credit System/LOCF in phased manner for the regular students of Institute of Integrated and Honors Studies, K.U. Kurukshetra.

Semester	Course Code	Course Name	Credit	Teaching Hour per week	Scheme of Examination			Time
					Theory	Internal Assessment	Total Marks	
Ist	CC-1 H-ECO-1001	Micro Economics-I	6	6	120	30	150	3
	CC-2 H-ECO-1002	Macro Economics-I	6	6	120	30	150	3
	AECC-1	English Communication/MIL Communication/EVS (As per respective Department)	2	2	40	10	50	2
	GE-1	English/Hindi (As per respective Department)	6	6	120	30	150	3
IInd	CC-3 H-ECO-2001	Micro Economics-II	6	6	120	30	150	3
	CC-4 H-ECO-2002	Macro Economics-II	6	6	120	30	150	3
	AECC-2	English Communication/MIL Communication/EVS (As per respective Department)	2	2	40	10	50	2
	GE-2	English/Hindi (As per respective Department)	6	6	120	30	150	3
IIIrd	CC-5 H-ECO-3001	Money & Banking	6	6	120	30	150	3
	CC-6 H-ECO-3002	Mathematics For Economics	6	6	120	30	150	3
	CC-7 H-ECO-3003	History of Economic Thought	6	6	120	30	150	3
	SEC-1	Computer Science Level-1/ Personality Development/MOOC (As per respective Department)	2	2	40	10	50	2
	GE-3	English/Hindi (As per respective Department)	6	6	120	30	150	3

IVth	CC-8 H-ECO-4001	Public Economics	6	6	120	30	150	3
	CC-9- H-ECO-4002	Statistics for Economics	6	6	120	30	150	3
	CC-10 H-ECO-4003	Environment Economics	6	6	120	30	150	3
	SEC-2	Computer Science Level-1/ Personality Development/MOOC (As per respective Department)	2	2	40	10	50	2
	GE-4	English/Hindi (As per respective Department)	6	6	120	30	150	3
Vth	CC-11 H-ECO-5001	Development Economics & Planning-I	6	6	120	30	150	3
	CC-12- H-ECO-5002	Issues in Indian Economy	6	6	120	30	150	3
	DSE-1 H-ECO-5003	Introductory Econometrics	6	6	120	30	150	3
	DSE-2 H-ECO-5004	Comparative Economic Development	6	6	120	30	150	3
	GE-5	English/Hindi (As per respective Department)	6	6	120	30	150	3
VIth	CC-13 H-ECO-6001	Development Economics & Planning-II	6	6	120	30	150	3
	CC-14- H-ECO-6002	International Economics	6	6	120	30	150	3
	DSE-3 H-ECO-6003	Economics of Finance	6	6	120	30	150	3
	DSE-4 H-ECO-6004	Economics of Health & finance	6	6	120	30	150	3
	GE-6	English (As per respective Department)	6	6	120	30	150	3

\*Workload=1 Hour of teaching / 2 hours of practical work = 25 marks

\*MIL stands for Modern Indian Languages

\*GE: Generic Elective@ 6 credits. Available in English only (As per respective Department)

\*CC: Core courses are fourteen @ 6 credits per semester.

\*AECC: Ability Enhancement Compulsory Course are two @ 2 credits per Semester. (Available in Sem. 1 and Sem. 2) (As per respective Department)

\*SEC: Skill Enhancement Course is four. @ 2 credits per semester, exist in Sem. 3 and Sem. 4 (As per respective Department)

\*DSE: Discipline Specific Elective are four @ 6 credits per semester. Available in Sem. 5 & Sem. 6

\*General elective may be other than economics.

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Scheme and Syllabus of Examination of B.A Economics (Honors) Semester 1<sup>st</sup> to Semester 6<sup>th</sup> w.e.f. Session 2020-2021, Under Choice Based Credit System/LOCF in phased manner for the regular students of Institute of Integrated and Honors Studies, K.U. Kurukshetra.

**PROGRAMME OUTCOMES (POs) for UG course of Economics**

- 1- To develop skills in graduate students so that they are able to acquire theoretical and practical knowledge about economics, economy, economic behavior, economic policies and economic institutions and economic problems.**
- 2- To inculcate ability in students for critical thinking, lateral thinking about economic phenomena, problems and policies so as to create professional potential in them**
- 3- To create awareness on ethical issues, good business practices, and ecology-economics interface**
- 4- To development ability in youth for understanding basic economic rationality and effective communication skills**
- 5- To prepare youth for career in teaching, industry, government organizations and self-entrepreneurship**
- 6- To make students aware of natural resources, sustainable use and environment**
- 7- To provide learning experience in students that instills deep interest in economic science for the benefit of society.**

**PROGRAMME SPECIFIC OUTCOMES (PSOs) for UG course in Economics(Honors)**

**PSO1: demonstrate the knowledge and understanding of economic science i.e vital processes of economy, consumer and producer behavior at micro level and macro-level**

**PSO2: critically think and correlate the economics knowledge with decision-making with regard to economic planning and economic policies, understanding of conflicts and tradeoffs and welfare implications of economic measures to improve the quality of life in person as well as of community.**

**PSO3: demonstrate an understanding of the principles, methods of economic analysis in static and dynamic terms, analysis of economic data**

**PSO4: concise and meaningful writing and reporting, effective presentation skills, and ability to work productively in a group with co-operation**

**B.A. Honors (Economics)**  
**Semester-1**  
**Micro Economics-I**  
**CC-1 H-ECO-1001**

**External marks: 120**  
**Internal Marks: 30**  
**Total Marks: 150**  
**Time: 3 hours**  
**Credits: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & Comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<b>UNIT-I</b>  <b>(i-a) Introduction</b> Nature and Scope of Economics, Methodology of Economics Choice as an economic problem, and Production Possibility Frontier  <b>(i-b) Demand analysis</b> Law of demand, Elasticity of demand (Price, Income & cross); degrees & measurement, determinants & Importance	i-a To introduce the students about microeconomics, its nature, scope, importance; Choice as basic economic problem, and production possibility frontier The aim is to make students attuned with economics as introduced at fresher's level, its subject-matter, and its nature. Also to make a student learn about the basic economic problem of choice and production possibility frontiers  i-b is meant to make student acquainted with consumer behavior in terms of law of demand, and Elasticity of demand

<p>UNIT-2</p> <p><b>(ii-a) Consumer Behaviour</b> Cardinal &amp; ordinal utility analysis, and consumer equilibrium, Revealed Preference hypothesis</p> <p><b>(ii-b) Consumer's Surplus</b> Concepts &amp; measurement (cardinal &amp; ordinal), Compensating Variation Principle, Importance of the concept</p>	<p>ii-a Objective is to acquaint the students with laws relating to consumption, and approaches to consumer's behavior: Neo-classical, and later developments</p> <p>ii-b The contents under this section are designed to make students learn about the Consumer's surplus, and the measurement by different approaches.</p>
<p>UNIT-3</p> <p><b>(iii-a) Producer's behavior</b> Law of Variable Proportions, Returns to scale, Characteristics of Isoquants, Ridge lines, Least cost combination of factors, Internal and External, Economies &amp; diseconomies</p> <p><b>(iii-b) Supply</b> Law of supply, movements and shifts in supply curve, elasticity of supply (degrees, measurement and importance)</p>	<p>iii-a The contents under this section are designed to make students learn about the producer or firm's behaviour as laws of returns in short-period and long period, and least cost combinations, along with economies of scale</p> <p>iii-b A general idea about the supply and supply law, changes in supply, and sensitivity of supply to price</p>
<p>UNIT-4</p> <p><b>(iv-a) Cost Analysis</b> Concepts of costs and their inter-relationship, Short-period costs and Long period costs, Modern theory of costs</p> <p><b>(iv-b) Revenue</b> Concepts of Revenue; total, average and marginal Revenue and their relationships, Break-even analysis &amp; its uses</p>	<p>iv-a Objective is to make students' exposure to costs, and behavior of costs-short-period and long-period, with traditional and modern view</p> <p>iv-b The students are expected to learn about revenue concepts and their relationships, and break-even analysis of a firm</p>

#### Overview of Outcomes

##### Core Course- Microeconomics-1

After the successful completion of the course, the students will be able to Course Objective #

1001.1 Have insight about the economics, the economic problem and consumer behavior in terms of demand and its elasticity

- 1001.2 Have further understanding of consumer behavior in terms of indifference curves, revealed preference, and analysis of consumer surplus
- 1001.3 Have knowledge about nature of production, and producer behavior in terms of laws of production, economies and diseconomies of scale, and elasticity of supply
- 1001.4 Have understanding about Revenue, Cost concepts& inter- relationships about costs, and revenue, break-even analysis.

**Core-Course- Microeconomics-1**

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
1001.1	3	3	1	2	1	2	1	3	1	2	1
1001.2	3	3	2	2	1	1	1	3	1	2	1
1001.3	3	3	1	2	2	1	1	3	1	2	1
1001.4	3	3	1	2	2	1	1	3	1	2	1
Average	3	3	1.25	2	1.5	1.25	1	3	1	2	1

**Suggested Readings:**

1. *Paul A. Samuelson: Micro Economics*
2. *Koutsoyiannis: Modern Micro Economics*
3. *C.S Barla: Advanced Micro Economics*
4. *N.C.Ray: An Introduction to Micro Economics*
5. *Hal R. Varian: Micro Economic Analysis*
6. *Dominick Salvatore: Micro Economic Theory*
7. *H.L. Ahuja: Modern Micro Economics*
8. *M.L. Seth: Micro Economics*
9. *T.R.Jain &A.S.Sandhu : Micro Economics*
10. *Amit Sachdeva : Micro Economics*
11. *Richard G.Lipsey : An Introduction to Positive Economics*
12. *J.M.Joshi: Theory of Value, Distribution and Welfare Economics*

**BA Honors (Economics)**  
**Semester-1**  
**Macro Economics-I**  
**CC-2 H-ECO-1002**

**External marks:120**

**Internal Marks:30**

**Total marks:150**

**Time: 3 hours**

**Credits:6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

<b>Content</b>	<b>Learning objectives</b>
<b>UNIT-I</b>  <b>(i-a) Introduction</b> Nature and Scope of Macro-Economics, Difference between Micro and Macro-economics, Importance of macro-economics <b>(i-b) National Income</b> Concept, measurement and limitation of National income Statistics; Circular Flow of income in two, three and four sector economy	i-a Objective is to introduce the students about macroeconomics, its nature, scope, importance with the aim is to make students acquainted with macro-economics as introduced at fresher's level, its subject-matter, and its nature.  i-b is meant to give a broad and indepth view of National Income concepts and measurement, and circular flow of Income
<b>UNIT-2</b>  <b>(ii-a) Determination of Income and employment</b> Classical Theory of employment, Say's law of markets and its implications, Keynesian objections to classical theory, Keynesian theory of employment	ii-a Objective is to acquaint the students with approaches relating to determination of Income and employment- Classical model, its limitations; followed by Keynes' model. The students are expected to learn the basic comparison between the two approaches

<p>UNIT-3</p> <p><b>(iii-a) Consumption</b></p> <p>Consumption function, technical attributes of consumption, Keynes' psychological law of consumption, and its implications, External, Empirical evidence</p> <p><b>(iii-b) Income-consumption relationship</b></p> <p>Absolute &amp; Relative Income hypothesis, Permanent income Hypothesis, Life Cycle hypothesis.</p>	<p>iii-a</p> <p>Objective is to make students' exposure to the concept of consumption function, and its attributes</p> <p>iii-b The students are expected to learn about Income-consumption relationship in short run and long run in terms of the various kinds of Income-Absolute Income, Relative Income, Permanent Income and Income over life cycle.</p>
<p>UNIT-4</p> <p><b>(iv-a) Investment Function</b></p> <p>Types of Investment, determination of level of investment, Marginal Efficiency of Capital</p> <p><b>(iv-b) Theories of Investment</b></p> <p>Classical and Keynesian Theory of Investment (Marginal Efficiency of Investment), Saving-investment equality</p>	<p>iv-a</p> <p>aims at pupils' understanding of macroeconomic aggregate of investment; factors which determine investment, and MEC and its role.</p> <p>iv-b</p> <p>Objective is to make students learn about different approaches to investment or capital stock adjustment; and about the mechanism of saving –investment</p>

## Overview of Outcomes

### Core Course- Macroeconomics-1

After the successful completion of the course, the students will be able to

Course Objective #

- 1002.1 Have insight about the macroeconomics, national income, concepts and measurement
- 1002.2 Have further understanding of economy in terms of equilibrium level of income employment-classical and Keynesian approach
- 1002.3 Have knowledge about nature of consumption function, and Consumption-income relationship in short and long run
- 1002.4 Have understanding about Capital, investment function, decision to invest, and theories of investment



Core-Course- Macroeconomics-1

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
1002.1	3	3	1	2	1	2	1	3	1	2	1
1002.2	3	3	2	2	1	1	1	3	1	2	1
1002.3	3	3	1	2	2	1	1	3	1	2	1
1002.4	3	3	1	2	2	1	1	3	1	2	1
Average	3	3	1.25	2	1.5	1.25	1	3	1	2	1

Suggested Readings:

1. Lipsey R.G. and K.A. Chrystal (1999) “Principles of Economics”, 9th Ed., Oxford University Press.
2. Ackley, G (1978), “Macroeconomics: Theory and Policy”, Macmillan, New York.
3. Branson, W. A. (1989), “Macroeconomic Theory and Policy”, 3rd Ed., Harper & Row, New York.
4. Shapiro, E (1996), “Macroeconomic Analysis” Galgotia Publication, New Delhi.
5. Stiglitz J. E. and Carl E. Walsh (2002) Principles of Macroeconomics, W.W. Norton & Company, New York.
6. Paul Samuelson and Nordhaus: (2005) “Economics” (18th Ed.) Tata Hill Publishing Company, New Dehli.
7. Mankiw N. Gregory: (2007) “Principles of Economics”, Thomson, Indian Reprint.
8. Lipsey R.G. and K.A. Chrystal (2007) “Economics”, Oxford University Press. Oxford.

**B.A. Economics (Honors)**  
**Semester-II**  
**Micro Economics-II**  
**CC-3 H-ECO-2001**

**External marks:120**  
**Internal Marks:30**  
**Total marks;150**  
**Time: 3 hours**  
**Credits:6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

<b>Content</b>	<b>Learning objectives</b>
<b>UNIT-I</b>  <b>(i-a)Theory of firm</b> Market: types and equilibrium, Perfect competition: characteristics, Short and long run equilibrium of firm and industry, Supply curve(Short and long run of firm and Industry) <b>(i-b)</b> Monopoly: characteristics, Short and long run equilibrium of firm, Discriminating monopoly, Degree of Monopoly power	(i-a) has the objective of introducing students with elaborate view of Perfectly competitive Firm and its equilibrium in short and long-run.  (i-b) aims at making the students acquainted with behavior of a monopolist under different situations. conceptual and practical implications.
<b>UNIT-2</b>  <b>(ii-a)Monopolistic competition</b> Characteristics, Short-run and long-run equilibrium of the firm;Group Equilibrium,Product differentiation and Selling Costs <b>(ii-b) Oligopoly</b> Non-collusive(Cournot,Bertrand and Kinked demand models),Collusive oligopoly(Cartels,Price leadership)	(ii-a) aims at giving the pupils knowledge about monopolistic competitive firm,and its behavior under different situations  (ii-b) has the objective of giving knowledge about Oligopoly firm,and its pattern of behavior under collusion and non-collusion condition
<b>UNIT-3</b>	iii-a aims at developing understanding in

<b>(iii-a) Theory of factor pricing</b> Marginal productivity theory of distribution; Modern Theory of Distribution, Rent, Wage, Interest, Profit <b>(iii-b) Collective Bargaining</b>  <b>Collective Bargaining: Types, Process, Issues and Structures of bargaining, Role &amp; Importance</b>	students' mind about pricing of factors, and classical and modern approach related to factor pricing. The theories to which students need to be given exposure is Ricardian theory and Modern theory of rent.  iii-b This has the objective of introducing students about the elements of collective bargaining
UNIT-4  <b>(iv-a) General Equilibrium</b> Concepts of partial and general equilibrium, Walras' Excess Demand model, Existence, Stability and Uniqueness of General Equilibrium  <b>(iv-b) Welfare Economics</b> Pareto Optimality Criterion, and its limitations	iv-a has the objective of explaining General equilibrium, and its conditions to the students  iv-b aims at introducing the basics of welfare economics.

#### Overview of Outcomes

#### Core Course- Microeconomics-II

After the successful completion of the course, the students will be able to

#### Course Objective #

2001.1 Have insight about the theory of firm under perfect competition and monopoly.

Detailed analysis of monopolist's behaviour

2001.2 Have further understanding of imperfect markets in terms of monopolistic competition and Oligopoly.

2001.3 Have knowledge about nature of factor pricing-traditional and modern view, rate of interest and profit, as well as bargaining process

2001.4 Have understanding about General equilibrium and elementary welfare economics.

#### Core-Course- Microeconomics-II

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
2001.1	3	3	1	2	1	2	1	3	1	2	1
2001.2	3	3	2	2	1	1	2	3	1	2	1
2001.3	3	3	1	2	2	1	2	3	1	2	1
2001.4	3	3	1	2	2	1	2	3	1	2	1
Average	3	3	1.25	2	1.5	1.25	1.75	3	1	2	1

## Suggested Readings:

1. *Paul A. Samuelson: Micro Economics*
2. *A Koutsoyiannis: Modern Micro Economics*
3. *C.S Barla: Advanced Micro Economics*
4. *N.C.Ray: An Introduction to Micro Economics*
5. *Hal R. Varian: Micro Economic Analysis*
6. *Dominick Salvatore: Micro Economic Theory*
7. *H.L. Ahuja: Modern Micro Economics*
8. *M.L. Seth: Micro Economics*
9. *T.R.Jain &A.S.Sandhu : Micro Economics*
10. *Amit Sachdeva : Micro Economics*
11. *Richard G.Lipsey : An Introduction to Positive Economics*
12. *J.M.Joshi: Theory of Value, Distribution and Welfare Economics*

**B.A. Economics (Honors)**  
**Semester-II**  
**Macro Economics-II**  
**CC-4 H-ECO-2002**

**External marks:120**  
**Internal Marks:30**  
**Total marks:150**  
**Time: 3 hours**  
**Credits:6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<b>UNIT-I</b>  <b>(i-a) Keynesian multiplier</b> Concept, Relation between Multiplier, MPC & MPS, Comparative static and dynamic process, Working of multiplier in UDCs <b>(i-b)</b> Acceleration principle and working of super-multiplier	(i-a) has the objective of introducing students with elaborate view of Investment multiplier process (i-b) aims at making the students acquainted with behavior of acceleration effect of output on induced investment
<b>UNIT-2</b>  <b>(ii-a) Determination of general price level</b>  Classical and Keynesian theory of Money & prices; Inflation: types-cost push & demand pull inflation, Effects <b>(ii-b)</b> Inflation-unemployment trade-off (Phillips' contribution-introductory version)	(ii-a) aims at giving the pupils knowledge about Value of money and its fluctuations in terms of Inflation.  (ii-b) has the objective of giving knowledge about inflation-unemployment relationship and trade off in terms of Phillips' explanation.

<p>UNIT-3</p> <p><b>(iii-a) Rate of Interest</b> Keynesian and IS-LM theories of interest rate</p> <p><b>(iii-b) Macro-economic policies</b> Monetary &amp; Fiscal Policies (objectives, Instruments, policy-mix, limitations)</p>	<p>iii-a aims at developing understanding in students' mind about Keynesian theory of interest and IS-LM approach to equilibrium in money and real market.pricing.</p> <p>iii-b has the objective of introducing the students about mechanism of Monetary and Fiscal policies,and approaches to the mixing of these policies.</p>
<p>UNIT-4</p> <p><b>(iv-a)Trade Cycles</b> Meaning,Types, Phases &amp; theories of trade cycles:Hicks, Samuelson, Schumpeter, Kaldor (iv-b) Control measures  Countercyclical measures for trade cycles: Monetary,Fiscal and Trade Policy measures</p>	<p>iv-a  has the objective of explaining Business cycles,and their theories by selected economists</p> <p>iv-a Has the objective of apprising policy measures about trade cycles</p>

## OVERVIEW OF OUTCOMES

### CORE COURSE- MACROECONOMICS-II

After the successful completion of the course,the students will be able to  
Course Objective #

- 2002.1 Have insight about the income generation process-multiplier effect of investment and acceleration effect of changes in output
- 2002.2 Have further understanding about the value of money and price level in the economy, and inflation process
- 2002.3 Have knowledge about nature and determination of rate of interest, working mechanism and co-ordination of monetary and fiscal policies
- 2002.4 Have understanding about business fluctuations in an economy, phases of trade cycles and mechanism, policy measures

## Core-Course- Macroeconomics-II

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
2002.1	3	3	1	2	1	2	1	3	1	2	1
2002.2	3	3	2	2	1	1	1	3	2	2	1
2002.3	3	3	1	2	2	1	1	3	2	2	1
2002.4	3	3	1	2	2	1	1	3	2	2	1
Average	3	3	1.25	2	1.5	1.25	1	3	1.75	2	1

### Suggested Readings:

- 1 Lipsey R.G. and K.A. Chrystal (1999) “Principles of Economics”, 9th Ed., Oxford University Press.
2. Ackley, G (1978), “Macroeconomics: Theory and Policy”, Macmillan, New York.
3. Branson, W. A. (1989), “Macroeconomic Theory and Policy”, 3rd Ed., Harper & Row, New York.
4. Shapiro, E (1996), “Macroeconomic Analysis” Galgotia Publication, New Delhi.
5. Stiglitz J. E. and Carl E. Walsh (2002) Principles of Macroeconomics, W.W. Norton & Company, New York.
6. Paul Samuelson and Nordhaus: (2005) “Economics” (18th Ed.) Tata Hill Publishing Company, New Dehli.
7. Mankiw N. Gregory: (2007) “Principles of Economics”, Thomson, Indian Reprint.
8. Lipsey R.G. and K.A. Chrystal (2007) “Economics”, Oxford University Press. Oxford.

**B.A. Economics (Honors)**  
**Semester-III**  
**Money & Banking**  
**CC-5 H-ECO-3001**

**External marks:120**

**Internal Marks:30**

**Total marks:150**

**Time: 3 hours**

**Credits:6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks)

<b>Content</b>	<b>Learning objectives</b>
<b>UNIT-I</b> <b>(i-a)</b> Money: functions, classification and significance. Money Supply: determinants, Alternative measures of money supply in India (concepts only), Money Multiplier <b>(i-b)</b> Money & Capital markets: Structure, Instruments, Role; Developed and underdeveloped money markets	(i-a) Aimed at introducing the students about fundamentals about money, and money supply in India  (i-b) aims at making the students acquainted with behavior of money and capital markets, their structure, nature, mechanism and instruments of trading in these markets
<b>UNIT-2</b> <b>(ii-a)</b> Banking: commercial banks: functions & importance, Process of credit creation. <b>(ii-b)</b> Reserve Bank of India: Functions; Instruments of credit control, Recent Monetary policy of RBI	(ii-a) aims at giving the pupils knowledge about banking, functions of commercial banks, and credit creation process.  (ii-b) has the objective of giving knowledge about RBI, its monetary policy instruments, and review of the latest monetary policy notifications
<b>UNIT-3</b> <b>(iii-a)</b> Financial sector: money and capital market in India: Structure, functions and significance, SEBI: powers & functions	iii-a aims at developing understanding in students' mind about money and capital market processes in Indian context, as well as the role regulatory bodies



<b>(iii-b)</b> Non-Bank Financial Intermediaries: Role and significance;Recent Financial sector reforms in India	iii-b has the objective of introducing the students about mechanism of NBFIs, and policy measures taken up for Financial sector reforms
UNIT-4  <b>(iv-a)</b> Exchange rate determination: fixed and flexible exchange rates  <b>(iv-b)</b> Theories of exchange rates; Mint par ,Purchasing power parity, Balance of payments theory	iv-a  has the objective of describing and explaining the exchange rates, nature,and role of fixed and flexible exchange rates in historical and present context  iv-b Aims at explaining the determination of equilibrium exchange rates, and causes of fluctuations in exchange rates

#### Overview of Outcomes

#### Core Course- Money & Banking

After the successful completion of the course, the students will be able to Course Objective #

3001.1 Have insight about the money, money supply, Money & Capital Markets-organization, structure and working.

3001.2 Have further understanding of Banking, commercial banks functions & credit creation, RBI and credit control measures

3001.3 Have knowledge about nature of financial sector-money and capital market of India,Non-bank financial intermediaries

3001.4 Have understanding about exchange rates, and exchange rate mechanism, theories of exchange rate determination, adjustments

#### Core-Course- Money & Banking

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
3001.1	3	3	1	2	1	2	1	3	1	2	1
3001.2	3	3	2	2	1	1	1	3	2	2	1
3001.3	3	3	1	2	2	1	2	3	1	2	1
3001.4	3	3	1	2	2	1	2	3	2	2	1
Average	3	3	1.25	2	1.5	1.25	1.5	3	1.5	2	1

Suggested Reading:

1. Bailey Roy (2005) The Economics of Financial Markets
2. D.M. Mithani: Money, Banking and Public Finance
3. A.D. Bain (1992) Economics of the Financial System
4. Suraj.B.Gupta: Monetary Economics - Institutions, Theory & Policy;S Chand publications
5. Suraj.B.Gupta:Monetary Planning for India
6. Khan,MY: Indian Financial System;Tata-McGrawhill
7. M.K. Lewis (2000), Monetary Economics, OUP
8. M.R. Baye, D.W. Jansen (1996), Money Banking and Financial Markets, AITBS, (Indian Edition)
9. Maurice Levi (1999), International Finance, Tata McGraw Hill
10. L.M. Bhole (1999), Financial Institutions and Markets, Tata Mcgraw Hill
11. R.R.Paul “Monetary Economics”
12. R.B.I. Bulletin, Annual Report; Report on Currency and Finance
13. R.B.I. - Report of the Committee on the Financial System (Narasimham Committee Report I)

**B.A Economics (Honors)**  
**Semester-III**  
**Mathematics for Economics**  
**CC-6 H-ECO-3002**

**External marks: 120**

**Internal Marks: 30**

**Total: 150**

**Time: 3 hours**

**Credits: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

<b>Content</b>	<b>Learning objectives</b>
<b>UNIT-I</b>  <b>(i-a) Elementary Set theory</b>  Operations on sets; ordered pairs, Cartesian products of sets, The Real numbers, Natural numbers, Integers, Rational and Irrational numbers <b>(i-b)</b>  Functions: Types of Functions in economic theory- Revenue, Cost, Demand, Production and profit functions; Limit and continuity of functions	(i-a) Aimed at introducing the students about fundamentals of Number system, and Set operations  (i-b) aims at making the students acquainted with Functions, and limit & continuity of functions, and economic applications
<b>UNIT-2</b>  <b>(ii-a)</b>  Matrices & determinants: Addition and multiplication of matrices; Minors and co-factors of a matrix; Inverse of a matrix, and Cramer's Rule <b>(ii-b)</b> Input-Output Analysis (basic idea only)	(ii-a) aims at giving the pupils knowledge about matrices and operations on matrices.  (ii-b) has the objective of giving basic knowledge about Input-output analysis
<b>UNIT-3</b>	iii-a aims at developing understanding in students'

<b>(iii-a)</b> Simple Derivatives: First Principles method, Rules of Differentiation; Economic Applications <b>(iii-b)</b> Partial Derivatives; Basic idea of Partial Derivatives	mind about derivatives and differentiation ,and economic application of derivatives  iii-b has the objective of introducing the students about Partial derivatives at basic level.
UNIT-4  <b>(iv-a)</b> Maxima and Minima, Unconstrained maxima and minima (one variable only) with economic applications <b>(iv-b)</b> Integration: Basic idea of Integration, Application of Integration in economics (Consumer and Producer surplus only)	iv-a has the objective of describing and explaining the differentiation concepts of Maxima and Minima,with economic applications  iv-b Aims at explaining the methods of Integration, and application in economics for two cases only

#### Overview of Outcomes

#### Core Course- Mathematics for Economics

After the successful completion of the course,the students will be able to

#### Course Objective #

- 3002.1 Have knowledge about the set theory and functions, functions In economics
- 3002.2 Have understanding of Matrices and Input-output analysis
- 3002.3 Have knowledge about simple derivatives, partial derivatives and their economic applications
- 3002.4 Have understanding about maxima and minima, and Integration, and application of integration in economics.

#### Core-Course- Mathematics for Economics

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
3002.1	3	3	1	2	1	2	1	3	2	2	1
3002.2	3	3	2	2	1	1	1	3	2	2	1
3002.3	3	3	1	3	2	1	1	3	2	2	1
3002.4	3	3	1	2	2	1	1	3	2	2	1
Average	3	3	1.25	2.25	1.5	1.25	1	3	2	2	1

### **1. Basic Reading List**

2. *Mathematics for Economics* by Michael Hoy et al, PHI, New Delhi, 2004.
3. *Quantitative Methods for Business and Economics* by Adil H. Mouhammed, PHI, New Delhi, 2003.
4. *Quantitative Methods* by D.R. Aggarwal
5. *Basic Mathematics for Economists* by R.C. Joshi, New Academic Publishing
6. Leontief, W. (1936) *Quantitative input-output relations in the economic systems of the United States*. *Review of Economics and Statistics*, Vol 18, pp.105-125.
7. Miller, R.E. and P.D. Blair (1985) *Input-Output Analysis: Foundations and Extensions*. Prentice-Hall, Englewood Cliffs, New Jersey.
8. Proops, J., Faber, M. and Wagenhals, G. (1993) *Reducing CO2 Emissions: A Comparative Input-Output Study for Germany and the UK*, Springer-Verlag, Heidelberg.
9. Aggarwal, H.S. : *Modern Micro -Economics*, Konark, New Delhi, 1998.
10. Taro Yamane, *Mathematics for Economists*, PHI, 1973.
11. *Quantitative Techniques in Management* by N.D. Vohra, TMH.
12. *Operations Research* by R. Wagnor
13. *Operations Research* by Hamdy A. Taha
14. Allen R.G.D. (1974), *Mathematical Analysis for Economists*, Macmillan Press, London.
15. Black, J. and J.F. Bradley (1973), *Essential Mathematics for Economists*, John Wiley and Sons.
16. Chiang, A.C. (1986), *Fundamental Methods of Mathematical Economics (3rd Edition)*, McGraw Hill, New Delhi.

**B.A. Economics (Honors)**  
**Semester-III**  
**History of Economic Thought**  
**CC-7 H ECO-3003**

**External marks: 120**

**Internal Marks: 30**

**Total Marks: 150**

**Time: 3 hours**

**Credits: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<b>UNIT-I</b>  <b>(i-a)</b>  Classical thought: Adam Smith-division of labor, Theory of value, Theory of growth <b>(i-b)</b>  Ricardo: Theory of Rent, Distribution; Malthus- Theory of Population	(i-a) Aims at introducing the students about fundamentals of classical economics thought of Adam Smith  (i-b) aims at making the students acquainted with economic thought of Ricardo on Rent and Malthus on Population
<b>UNIT-2</b>  <b>(ii-a)</b>  Neo-classical thought: Jevons, Menger and Walras (Main economic ideas)  <b>(ii-b)</b> Alfred Marshall as a great synthesizer; Price Determination, Consumer and Producer surplus, Elasticities and Quasi-rent	(ii-a) aims at giving the pupils knowledge about Neo-classical economic thought of Jevons, Menger and Walras.  (ii-b) has the objective of giving knowledge about economic ideas of A Marshall on Price determination, elasticities, Consumer and Producer surplus and Quasi-Rent

<p>UNIT-3</p> <p><b>(iii-a)</b></p> <p>Keynesian Economics: underemployment equilibrium, Effective Demand, Marginal Efficiency of Capital, liquidity preference, role of state</p> <p><b>(iii-b)</b></p> <p>Austrian school of thought: Opportunity Cost, Time preference, Expected Utility</p>	<p>iii-a</p> <p>aims at developing understanding in students' mind about framework of concepts developed by JM Keynes-underemployment equilibrium and Effective demand, among others</p> <p>iii-b</p> <p>has the objective of introducing the students about basic conceptual contributions of Austrian school of thought</p>
<p>UNIT-4</p> <p><b>(iv-a)</b></p> <p>Indian Economic thought: Main ideas of Kautilya Naroji, Vakil and Brahmanand, JK Mehta and AK Sen</p> <p><b>(iv-b)</b></p> <p>Main ideas of MDKC Gandhi</p>	<p>iv-a</p> <p>has the objective of detailing the evolution of economic ideas of Indian thinkers other than MDKC Gandhi</p> <p>iv-b</p> <p>Aims at introducing the students about Gandhian economics, its nature and significance</p>

#### Overview of Outcomes

##### Core Course- History of Economic Thought

After the successful completion of the course, the students will be able to Course Objective #

3003.1 Have knowledge about the classical economic thought: A Smith D Ricardo, T Malthus

3003.2 Have understanding of Neo-classical thought- Jevons, Menger, Walras, Marshall

3003.3 Have knowledge about economic thought and concepts of J M Keynes and Austrian school of thought

3003.4 Have understanding about Indian thinkers about economics- MDKC Gandhi and others.

##### Core-Course- History of Economic Thought

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
3003.1	3	3	1	2	1	2	1	1	1	2	1
3003.2	3	3	2	2	1	1	1	1	1	2	1
3003.3	3	3	1	2	2	1	2	1	1	2	1
3003.4	3	3	1	2	2	1	2	1	1	2	1
Average	3	3	1.25	2	1.5	1.25	1.5	1	1	2	1

### ***Basic Reading List***

1. *Blaug, M 1997, Economic Theory in retrospect, Cambridge Universitypress, Cambridge*
2. *Da Costa, G.C: Production, Prices and Distribution (1985) TMH, New Delhi*
3. *Dasgupta A.K.L (1985) Epochs of Economic Theory, Oxford Univ Press, New Delhi.*
4. *Ekelund and Hebert : A History of Economic Theory and Method (1990) McGraw Hill Publ Co. New York.*
5. *Eatwell, John, Murray Milgate, Peter Newman (1998): The New Palgrave \_A Dictionary of Economics, Macmillan Reference Ltd.*
6. *Ghosh and Ghosh; Concise History of Economic Thought, Himalaya.*
7. *Gill Richard: (1972) Evolution of Modern Economics, Prentice Hall of India.*
8. *Hunt E.K : (1990) History of Economic Thought, Wodsworth.*
9. *Morgan M. S. (1990), A History of Economic Ideas, Cambridge Univ Press. U.K.*
10. *Oser Jacob, and S. Brue L (1988) The Evolution of Economic Thought, Harcourt, NY*
11. *Puttaswamaiah K. (1995) : Nobel Economists-Lives and Contributions, Indus Publ Co., New Delhi.*
12. *Roll, Eric : (1973) A History of Economic Thought, Faber, London.*
13. *Seligman B.S: (1962), Main Currents In Modern Economics, Quadrangle, Chicago 32.*
14. *Serepanti E, and Zamagui Stefano: An Outline of Economic Thought, OUP.*
15. *Seshadri G.B: (1997), Economic Doctrines, B.R Publ Corp., New Delhi.*
16. *Spiegel H.W. (1971) The Growth of Economic Thought, N.C. Duke Univ, Durham.*
17. *Vohra P. and R. Mehta: Encyclopaedia of World Great Economists, Commonwealth.*



**B.A. Economics (Honors)**  
**Semester-IV**  
**Public Economics**  
**CC-8 H-ECO-4001**

**External marks: 120**

**Internal Marks: 30**

**Total Marks: 150**

**Time: 3 hours**

**Credits: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<b>UNIT-I</b> <b>(i-a)</b> Introduction: Nature&scope of public economics; Public goods-concept, characteristics & types; Efficient provision of public goods <b>(i-b)</b> Market failure&externalities ;Principle of Maximum Social Advantage	(i-a) has the objective of introducing students with elaborate view of Public economics, its nature, scope, and the principles related to public goods (i-b) aims at making the students acquainted with market failure, causes, and the principal of efficient allocation
<b>UNIT-2</b> <b>(ii-a)</b> Public Revenue: taxation, Classification, Canons & effects, Impact & Incidence of taxes- concepts and factors <b>(ii-b)</b> Public debt: sources, Methods of Public debt redemption, Effects of public borrowing	(ii-a) aims at giving the pupils knowledge about public revenue, its sources viz. Taxes, and the incidence and impact of taxes (ii-b) has the objective of giving knowledge about Public Debt, and sources, principles, and repayment.
<b>UNIT-3</b> <b>(iii-a)</b> Public expenditure: meaning, classification, canons	iii-a aims at developing understanding in students' mind about Public expenditure, nature and conceptual understanding about its ideal size and effects

and effects  <b>(iii-b)</b>  Factors affecting public expenditure,Wagner's law, Peacock-Wiseman Hypothesis	iii-b has the objective of introducing the students about Causes and interrelationships explaining the trends of public expenditure
UNIT-4 <b>(iv-a)</b>  Budget: concepts of Revenue and Capital expenditure; Deficit types  <b>(iv-b)</b>  Fiscal federalism in India, Centre-state financial relations,Latest finance commission report	iv-a has the objective of explaining Budget and its concepts, constituents, and deficit types  iv-b Aims at imparting knowledge to students about fiscal federalism, and Centre-state financial relations, and highlights of Finance Commission recommendations

#### Overview of Outcomes

##### Core Course- Public Economics

After the successful completion of the course,the students will be able to Course Objective #

4001.1 Have insight about the Public economics-nature & scope, market failure

4001.2 Have understanding of public revenue,public debt: types,nature Effects, trends

4001.3 Have knowledge about nature of public expenditure-types,nature  
Effects, trends

4001.4 Have understanding about Budget, concepts of deficits, centre and states finances,  
financial relationship, Finance commission recommendations

##### Core-Course- Public Economics

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
4001.1	3	3	1	2	1	2	2	3	1	2	1
4001.2	3	3	2	2	1	1	1	3	1	2	1
4001.3	3	3	1	2	2	1	1	3	1	2	2
4001.4	3	3	1	2	2	1	2	3	2	2	2
Average	3	3	1.25	2	1.5	1.25	1.5	3	1.25	2	1.5

### ***Basic Reading List***

1. Bruce, Neil, "Public Finance", Addison- Wesley Educational Publishers, Inc.
2. Jones, Philip and Cullis, Jones, "Public Finance and Public Choice- Analytical Perspectives", Oxford University press
3. Stiglitz, Joseph, "Economics of the Public Sector", W.W.Norton and Company, new York/London
4. Rosen, H.S., "Public finance", Tata McGraw Hill
5. McNutt, P.A., "The economics of Public Choice", Edward Elgar Publishing Inc.
6. Mueller, D.C., "Public Choice- I,II,III" Cambridge university Press, Cambridge
7. Downs, A., "An Economic Theory of Democracy", Harper and Row, New York
8. Musgrave R.A and Peacock A.T., " Classics in the Theory of Public Finance", Mcmillan

**B.A. Economics (Honors)**  
**Semester-IV**  
**Statistics for Economics**  
**CC-9 H-ECO-4002**

**External marks: 120**  
**Internal Marks: 30**  
**Total Marks: 150**  
**Time: 3 hours**  
**Credit: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

<b>Content</b>	<b>Learning objectives</b>
<b>UNIT-I</b>  <b>(i-a)</b>  Statistics: meaning, scope, importance, limitations; Frequency distributions-Bivariate and Cumulative <b>(i-b)</b>  Central Tendency: Mean, Median, Mode; Harmonic & Geometric mean	(i-a) has the objective of introducing students with elaborate view of meaning, nature and scope of statistics, as well as about frequency distributions  (i-b) aims at making the students acquainted with computation skills of the measures of central tendency-mean, median and mode along with geometric and harmonic mean
<b>UNIT-2</b> <b>(ii-a)</b> Measures of Dispersion: Range, Quartile deviation, mean deviation and standard deviation, Coefficient of variation, Percentile rank <b>(ii-b)</b> Skewness and Kurtosis-Basic ideas and methods	(ii-a) aims at giving the pupils the computation skills and knowledge about Dispersion and its measures, and Percentile Rank  (ii-b) has the objective of giving knowledge and skills of computation about skewness and Kurtosis
<b>UNIT-3</b> <b>(iii-a)</b> Correlation & Regression: Co-variance formula of correlation, Properties, Rank	iii-a aims at developing understanding and computation skills in students about Correlation & regression and related concepts and their

<p>correlation, Properties; Regression Analysis: regression equations &amp; regression lines, computation of parameters of regression equations, standard error of estimate <b>(iii-b)</b></p> <p>Elements of Sampling: types of sampling, sampling &amp; non-sampling errors, determination of sample size, Central limit theorem(without proof)</p>	<p>significance</p> <p>iii-b</p> <p>has the objective of developing understanding in the students about elements of sampling and principles underlying it</p>
<p>UNIT-4</p> <p><b>(iv-a)</b></p> <p>Time series Analysis: concepts, components, methods of finding trend: Semi-average, Moving Average, Least Square, Ratio-to-average. <b>(iv-b)</b></p> <p>Index numbers: types and uses, tests of consistency, Fisher's Ideal Index, Fixed-based and chain-based Index numbers; Problems in construction of index numbers, and the limitations of index numbers</p>	<p>iv-a</p> <p>has the objective of developing computation skills of the trends in Time series data by way of different methods</p> <p>iv-b</p> <p>Aims at imparting conceptual and applied knowledge to students about Index numbers, their construction, and tests of the consistency of Index numbers</p>

#### Overview of Outcomes

#### Core Course- Statistics for Economics

After the successful completion of the course, the students will be able to

#### Course Objective #

- 4002.1 Have understanding about the nature and subject matter of Statistics, measures of central tendency-mean, mode and median
- 4002.2 Have understanding of measures of dispersion, elementary idea about concepts of skewness and kurtosis, and measurement
- 4002.3 Have knowledge about correlation, regression and sampling. Working Theoretical and computations skills in measurement of correlation Regression, along with sampling theory
- 4002.4 Have understanding about time series and Index numbers- theoretical and practical knowledge about computational problems.

Core-Course- Statistics for Economics

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
4002.1	3	3	1	2	1	2	1	3	1	2	2
4002.2	3	3	2	3	1	1	1	3	1	2	1
4002.3	3	3	1	2	2	1	1	3	1	2	1
4002.4	3	3	1	3	2	1	1	3	1	2	1
Average	3	3	1.25	2.5	1.5	1.25	1	3	1	2	1.25

***Basic Reading List***

1. Vohra, N. D. Quantitative Techniques in Management, Tata McGraw Hill, New Delhi.
2. Speigal, M. R. Theory and Problems of Statistics, McGraw Hill Book, London
3. Croxton, F. E., D. Cowden and S. Klein, Applied General Statistics, Prentice Hall, New Delhi.
4. Gupta S.C. and V.K. Kapoor, Fundamentals of Applied Statistics, S. Chand and Sons New Delhi.
5. Yates, Frank, Sampling Methods for Census and Surveys, Charles, Griffin Co., London.
6. Cochran, W. G., Sampling Techniques, John Wiley, New York.
7. Hansen, Hurst and Meadow, Sample Survey Methods and Theory, John Wiley New York.
8. Gupta S. C. Fundamentals of statistics, Himalaya Publishing house, New Delhi.
9. Gupta S.P. and Gupta M. P. Business statistics, Sultan chand and sons, New Delhi.
10. Kamanta J. Elements of Econometrics, Macmillan Publishing Co., Inc. New York.

**B.A Economics (Honors)**  
**Semester-IV**  
**Environment Economics**  
**CC-10 H-ECO-4003**

**External marks:120**

**Internal Marks:30**

**Total Marks:150**

**Time: 3 hours**

**Credit: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<b>UNIT-I</b> <b>(i-a)</b> Environment and Economy: nature & scope of environmental economics <b>(i-b)</b> Linkages between Environment& economy; Population-environment linkage	(i-a) Aims at introducing students about Environment, its nature&scope (i-b) Has the objective of making the students acquainted with linkages of environment with economy,population
<b>UNIT-2</b> <b>(ii-a)</b> Market failure: Incomplete markets; externalities <b>(ii-b)</b> Environment as public good-Non-exclusive,Non-rivalry, Non-convexities; Asymmetric Information	(ii-a)aims at giving the pupils the perception and understanding about the concepts of market failure, incomplete markets and externalities (ii-b) has the objective of giving knowledge about environment as a specific type of public good, Its nature&characteristics,and the implications of asymmetric information
<b>UNIT-3</b> <b>(iii-a)</b> Environment and Development: Natural resources, asset Markets Theory	iii-a aims at developing understanding in students about role of natural resources and Asset markets in environment-development linkage iii-b has the objective of developing knowledge

<b>(iii-b)</b>	and perception in the students about Sustainable development, Green GDP, and Kuznet's hypothesis
Concept of Sustainable Development, Green GDP, Environmental Kuznet's curve	
UNIT-4	iv-a
<b>(iv-a)</b>	has the objective of developing understanding about Legal provisions and framework about Environment protection, and pollution control
Environmental Legislation: Pollution-causes, control and abatement;	iv-b
Environment Protection Mechanism in India	Aims at imparting conceptual and applied knowledge to students about Global issues in environment viz climate change; trade & environment
<b>(iv-b)</b>	
Global Environmental issues: Climate change, trade & environment	

## Overview of Outcomes

### Core Course- Environment Economics

After the successful completion of the course, the students will be able to

#### Course Objective #

4003.1 Have insight about nature, scope & subject-matter of environmental Economics, Environment-economy linkages

4003.2 Have understanding of market failures, Environment as public good, asymmetry of information

4003.3 Have knowledge about nature of environment and economic development, sustainable development

4003.4 Have understanding about environment legislation, global Environmental issues, climate change

### Core-Course- Environment Economics

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
4003.1	3	3	1	2	1	2	1	3	1	2	1
4003.2	3	3	2	2	1	2	2	3	2	2	1
4003.3	3	3	2	2	2	2	1	3	2	2	2
4003.4	3	3	3	2	2	2	2	3	2	2	2
Average	3	3	2	2	1.5	2	1.5	3	1.75	2	1.5



### ***Basic Reading List***

- Henderson, J.M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
- Hanley, N., J.F. Shogern and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
- Cropper, Maureen (1999), Valuing Environmental Benefits, Edward Elgar.
- Sankar, U. (Ed.) (2001), Environmental Economics, Oxford University Press, New Delhi.
- James, A.J., M. N. Murty and Smita Misra (1999), Economics of Water Pollution – The Indian Experience, Oxford University Press, New Delhi.

**B.A. Economics (Honors)**  
**Semester-V**  
**Development Economics and Planning-I**  
**CC-11 H-ECO-5001**

**External Marks: 120**

**Internal Marks: 30**

**Total Marks: 150**

**Time: 3 hours**

**Total Credits: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

<b>Content</b>	<b>Learning objectives</b>
<b>UNIT-I</b> <b>(i-a)</b> Basic concepts of economic development: Economic growth and development, concept of underdevelopment and basic characteristics, <b>(i-b)</b> Determinants and measurement of economic development, Sustainable economic development	(i-a) has the objective of introducing students with elaborate view of Economic development and underdevelopment, and its nature and features. (i-b) aims at making the students acquainted with behavior of the determinants of economic development, and Sustainable Economic development
<b>UNIT-2</b> <b>(ii-a)</b> Theories of Economic development: Adam Smith, Mill <b>(ii-b)</b> Other theories: Karl Marx, Schumpeter	(ii-a) aims at giving the pupils knowledge and understanding about economic development theories, by A Smith and John S Mill. (ii-b) In continuation with objective of explaining development theories, the theories by K Marx and J Schumpeter are to be made understood to the students, in form as well as in essence.
<b>UNIT-3</b> <b>(iii-a)</b>	iii-a aims at developing understanding in students' mind about approaches to explain the nature, dynamics of economic

<p>Different approaches to development:Vicious circle of poverty,Lewis' dual economy model <b>(iii-b)</b></p> <p>Leibenstein's critical minimum effort theory,Balanced versus unbalanced growth theories</p>	<p>under-development process,as given by Vicious cycle hypothesis and Dual economy model iii-b has the objective of introducing the students about mechanism of Critical Effort hypothesis,and Balanced and unbalanced growth strategy</p>
<p>UNIT-4 <b>(iv-a)</b></p> <p>Economic Planning: Types, strategies&amp; objectives, Plan process <b>(iv-b)</b></p> <p>Economic policy:types,objectivesPolicy lags&amp;trade offs,Macro-economic balances</p>	<p>iv-a has the objective of explaining the basics of economic planning,its strategies, operational framework</p> <p>iv-b aims at elaborating the objectives and types of economic policy,policy lags,trade-offs and macroeconomic balances</p>

#### Overview of Outcomes

##### Core Course - Development Economics & Planning-I

After the successful completion of the course,the students will be able to Course Objective #

5001.1 Have knowledgeabout the basic concepts of economic development underdevelopment, determinants of economic development, sustainable development

5001.2 Have understanding of theories of economic development by Smith, Mill, Marx and Schumpeter

5001.3 Have knowledge about approaches to development-Lweis, Leibenstein, Balanced and unbalanced growth strategy

5001.4 Have understanding about Economic planning&policy. strategy and objectives of planning,mechanism of economic policy.

##### Core-Course- Development Economics&Planning-I

Co#	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Pso1	Pso2	Pso3	Pso4
5001.1	3	3	1	2	1	2	1	3	1	2	1
5001.2	3	3	2	2	1	1	1	3	2	2	1
5001.3	3	3	1	2	2	2	1	3	2	2	2
5001.4	3	3	2	2	2	2	1	3	2	2	1
Average	3	3	1.5	2	1.5	1.75	1	3	1,75	2	1.25

***Suggested Readings:***

1. *Adelman, I. (1961), Theories of Economics Growth and Development, Stanford University Press, Stanford.*
2. *Barro, R. and X. Salai- Martin, Economics Growth, McGraw Hill, New York.*
3. *Chakravarti, S. (1982), Alternative Approaches to the Theory of Economic Growth, Oxford University Press, New Delhi.*
4. *Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London.*
5. *Higgins, B.(1959), Economic Development, W.W. Norton, New York.*
6. *Kindleberger, C. P. (1977), Economics Development, (3rd Edition), McGraw Hill, New York.*
7. *Meier, G.M. and J.E. Rauch (2005), Leading Issues in Economics Development, (8th Edition), Oxford University Press, New Delhi.*
8. *Todaro, M.P. and S.C. Smith (2003), (8th Edition), Economics Development, Pearson Education, Delhi.*
9. *Thirlwal, A.P. (1999), (6th Edition), Growth and Development, Macmillan, U.K.*
10. *Mishra S.K. and V.K. Puri 'Economics Development and Planning. (Latest Edition)*
11. *Myer and Taneja 'Economics Development and Planning (latest Edition). Kalyani Publishers.*
12. *Lekhi, R.N. 'Economics of Development and Planning', (Latest Edition)*

**B.A. Economics (Honors)**  
**Semester-V**  
**Issues in Indian Economy**  
**CC-12 H-ECO-5002**

**External marks: 120**

**Internal Marks: 30**

**Total Marks: 150**

**Time: 3 hours**

**Credit: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<b>UNIT-I</b> <b>(i-a)</b> Basic Issues: Overpopulation, Poverty, Unemployment, Inequality <b>(i-b)</b> Urbanisation and Problem of civic amenities, Backwardness;Regional Imbalances	i-a is meant to address the basic issues of Indian economy in terms of Overpopulation, Poverty, Unemployment and Inequality, and create an understanding in students' minds about these. i-b aims at giving knowledge to students about other issues like urbanization, civic amenities,and regional imbalances
<b>UNIT-2</b> <b>(ii-a)</b> Haryana Economy:basic features-growth&sectoral distribution of State Domestic Product,Declining sex ratio,and its social and economic implications; Regional Disparities in Haryana, Globalisation in Haryana economy, Concept of effective cities and Poverty eradication in Haryana <b>(ii-b)</b>	ii-a is meant for developing an understanding and perception of issues relating to Haryana economy. The understanding of Haryana issues will help them understand applied micro regional plan and strategies ii-b

Disaster Management in India: Role and importance of Disaster management measures, Strategies of disaster management	is meant for making understanding in students' mind about disaster management mechanism in India, and strategies.
<b>UNIT-3</b> <b>(iii-a)</b> Human Resource Development; Role of education and health issues, problems & policies <b>(iii-b)</b> Labour Productivity; Issues, policies and Programmes, Gender and Development	iii-a aims at giving the pupils knowledge about role of healthcare and education, and strategies. iii-b has the objective of addressing labour productivity and issues and measures, and role of women force in economic development
<b>UNIT-4</b> <b>(iv-a)</b> Economic Reforms in India: Liberalisation, Privatisation and Globalisation; Need & rationale <b>(iv-b)</b> Competitiveness of Indian trade & Industry, Special Economic Zones, NITI aayog and current plan	iv-a has the objective of introducing to the students about Economic reforms in India, measures, trends etc. iv-b aims at developing understanding in students' minds about ways & means to increase competitiveness of trade and Industry of India, SEZs and NITI aayog

## Overview of Outcomes

### Core Course- Issues in Indian Economy

After the successful completion of the course, the students will be able to Course Objective #

- 5002.1 Have knowledge about basic issues like Overpopulation, urbanization Rural-urban migration, poverty, unemployment etc
- 5002.2 Have understanding of regional backwardness, and regional imbalances, and issues relating to Haryana economy, as well as Disaster management measures.
- 5002.3 Have knowledge about human resource development, education & healthcare, labour productivity measures, gender and economic development
- 5002.4 Have understanding about economic reforms, competitiveness of India trade and industry, Special economic zones, NITI ayog

Core-Course- Issues in Indian Economy

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
5002.1	3	3	1	2	1	2	1	3	1	2	1
5002.2	3	3	2	2	1	1	2	3	2	2	1
5002.3	3	3	1	2	2	1	2	3	2	2	1
5002.4	3	3	1	2	2	1	2	3	2	2	1
Average	3	3	1.25	2	1.5	1.25	1.75	3	1.75	2	1

*Suggested Readings:*

1. *M.P. Todaro & Smith, Economic Development in the Third World. Addison-Wesley. 6th ed.*
2. *Uma kapila, Indian Economy: Issues in Development and Planning & Sectoral Aspects (2005). Academic Foundation.*
3. *Arvind Virmani. Accelerating Growth and Poverty reduction: A Policy Framework for India's Development (2004)*
4. *Government of India, Economic Survey (latest)*
5. *Government of India, Five Year Plan, (latest)*
6. *Government of India. Finance Commission Report (Latest Ed.)*
7. *Ray, Debraj, (1998)Development Economics, Princeton University Press,*
8. *Banerjee, Abhijit, Ronald Benabon and Dilip Mookerjee (ed.), Understanding Poverty, OUP, 2006.*
9. *Statistical Abstract Haryana and Economic Survey of Haryana published by Department of Economic and Statistical Analysis Haryana (latest)*
10. *Datt, Rudar & K.P. Sundaram, "Indian Economy" S. Chand & Company (Latest Ed.).*
11. *Mishra S. K. & V. K. Puri, "Indian Economy", Himalya Publishing House (Latest Ed.).*

**B.A. Economics (Honors)**  
**Semester-V**  
**Introductory Econometrics**  
**DSE-1 H-ECO-5003**

**External Marks: 120**

**Internal Marks: 30**

**Total Marks: 150**

**Time: 3 Hour**

**Total Credit: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<b>UNIT-I</b> (i-a) Definition, meaning and Nature of Econometrics  (i-b) Difference between Mathematical economics, Statistics and Econometrics, Goals of econometrics	(i-a) is meant to introduce the discipline of econometrics, and its nature. (2-b) has the objective of making the students understand the fine distinction from other related fields like statistics and mathematical economics, as well as the goals of the study of econometrics
<b>UNIT-2</b>  (ii-a) Simple Linear Regression Model, Assumptions; Distribution and Estimation of OLS (ii-b) Statistical significance of the estimates: Tests of the goodness of fit with R-square, and Tests of significance of the Parameter estimates	(2-a) has the objective of making pupils understand Simple Linear Regression (Ordinary Least squares) model, and its estimation. (2-b) aims at giving the pupils knowledge about properties of OLS estimates, and nature of ideal, desirable properties of estimates
<b>UNIT-3</b>	(3-a) has the objective of introducing to the students about multicollinearity, implications, and the test



(iii-a) Properties of Least square estimates Best Linear Unbiased Estimator (BLUE), Importance of BLUE properties  (iii-b) Autocorrelation: assumptions, sources and consequences of autocorrelation, The Durban-Watson test of autocorrelation	to detect it. (3-b) Autocorrelation: assumptions, sources and consequences of autocorrelation, The Durban-Watson test of autocorrelation
UNIT-4  (iv-a) Multicollinearity: assumptions and consequences of multicollinearity; The Farrar-Glauber test of multicollinearity (iv-b) Errors in variables: time as a variable, Dummy Variables	(4-a) Has the objective of introducing the students about multicollinearity, and its tests and implications  (4-b) aims at developing understanding in students' minds about errors in variables and sources, as well as the nature and significance of dummy variables

#### Overview of Outcomes

#### DSE1-Course- Introductory Econometrics

After the successful completion of the course, the students will be able to Course Objective #

5003.1 Have knowledge about the meaning, and nature of econometrics, Goals and its relationship with other subjects

5003.2 Have understanding of simple linear regression, and significance of estimates of parameters, tests of parameters' significance

5003.3 Have knowledge about nature and properties of least square estimators, Problem of autocorrelation, and measures

5003.4 Have understanding about multicollinearity, and errors in variables, Dummy variables

#### CORE-COURSE- INTRODUCTORY ECONOMETRICS

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
5003.1	2	3	1	2	1	2	1	3	1	2	1
5003.2	3	1	2	2	1	1	1	3	2	2	1
5003.3	3	3	1	2	2	1	1	3	2	2	2
5003.4	2	1	1	2	2	1	1	3	2	2	2
Average	2.5	2.5	1.25	2	1.5	1.25	1	3	1.75	2	1.5

### ***Basic Reading List***

1. Amemiya, T. (1985), *Advanced Econometrics*, Harvard University Press, Cambridge, Mass.
2. Baltagi, B.H. (1988), *Econometrics*, Springer, New York.
3. Goldberger, A.S. (1998), *Introductory Econometrics*, Oxford University Press, New York.
4. Gujarati, D.N. (1995), *Basic Econometrics (2<sup>nd</sup> Edition)* MC Graw Hill New Delhi.
5. Intrilligator, M.D. (1978), *Econometric Methods, Techniques and Applications*, Prentice Hall Englewood Cliffs, New Jersey.
6. Johnson J. (1991), *Econometric Methods*, MCGraw Hall Book Co. London
7. Kmenta J. (1998), *Elements of Econometrics*, University of Michigan Press, New York
8. Koutsoyiannis, A. (1977), *Theory of Econometrics*, The Macmillan Press Ltd. London
9. Maddala G.S.(Ed) (1993), *Econometric Methods and application*, Aldershot U.K.
10. Pindyck R.S. and D.L. Rubinfeld (1976), *Econometric Models and Economic Forecasts*, MCGraw Hill Kogakusha Tokyo
11. Theil H. (1981), *Introduction to Econometrics*, Prentice Hall of India, New Delhi

**B.A. Economics (Honors)**  
**Semester-V**  
**Comparative Economic Development**  
**DSE-2 H-ECO-5004**

**External Marks:120**

**Internal Marks:30**

**Total Marks: 150**

**Time: 3 Hour**

**Credit: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B,comprising 15 and 9 marks respectively.All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<b>UNIT-I</b>  <b>(i-a)</b> Economic development of Britain: Basic features of British economy, and trends(industrial revolution, Transport and communication)  <b>(i-b)</b>  Economic development of USA: Basic features of US economy, and trends(infrastructure,trade);Role of US in world economic co-operation,Indo-US economic co-operation	<b>(i-a)</b>  Aims at making the students conversant with economic development of Britain,various sectors in historical perspective <b>(i-b)</b>  Has the objective of making students acquainted with economic development of US,and Indo-US co-operation
<b>UNIT-2</b>  <b>(ii-a)</b> Economic development of Japan: Agriculture, Industry; Role of entrepreneurship; Technology <b>(ii-b)</b> Economic development of China:	<b>(2-a)</b> is meant to impart the knowledge about Growth experience of Japan,and timeline of trends of various sectors of Japan's economy <b>(2-b)</b> aims at growth trajectory and trends of China, various sectors of china's economy, Revolutionary phase and economic reforms

Agriculture and trade; Cultural Revolution, and Economic Reforms	
<hr/> UNIT-3  (iii-a)  Economic development of USSR:Basic features of USSR economy, Industry& trade Indo-USSR Economic co-operation,Glasnost,Prestroika and dis-integration of USSR economy  (iii-b) Growth Miracle of Newly Industrialised Countries: Taiwan, South Korea and Singapore	<hr/> (3-a)  has the objective of tracing the growth path of USSR's economy, and crucial events regarding policies, and timeline of geopolitical changes,Indo-soviet co-operation (3-b) is meant to highlight the importance of growth and trade of newly industrialized countries
<hr/> UNIT-4 (iv-a) Role of state in economic development (regulatory and developmental role): Britain,, USSR, and Japan (iv-b) Regional Economic Integration:European Union,lessons for India.	<hr/> (4-a)  aims at enriching students mind with knowledge of Regulatory and developmental role of government w.r.t Britain, USSR, and Japan (4-b) meant for having knowledge about takeaways for India from the growth experience of EU nations

## OVERVIEW OF OUTCOMES

### DSE2COURSE- COMPARATIVE ECONOMIC DEVELOPMENT

After the successful completion of the course,the students will be able to Course Objective #

5004.1 Have insight about the economic development of Britain&US

5004.2 Have understanding of economic development of Japan&China

5004.3 Have knowledge about economic development of Russia( in the times of USSR),disintegration of USSR,and growth of Newly industrialized countries

5004.4 Have understanding about role of state in economic development of Britain,Russia,Japan.Lessons for India from growth experience of These countries ,and EU

## DSE2-COURSE- Comparative Economic Development

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
5004.1	3	3	1	2	1	2	1	3	1	2	1
5004.2	2	3	2	2	1	1	1	3	2	2	2
5004.3	3	3	1	2	2	1	1	3	1	2	2
5004.4	2	3	1	2	2	1	1	3	2	2	2
Average	2.5	3	1.25	2	1.5	1.25	1	3	1.5	2	1.75

## Suggested Readings

1. *WHB Court: A concise economic History of Britain*
2. *R Floud,McCloskey D: The economic History of Britain since 1700*
3. *GC Allen1867-1937:A short economic History of modern Japan*
4. *JW Hall,Peter Duus :The Cambridge History of Japan*
5. *FG Walett: An economic History of the USA*
6. *Stuart Kirby: An Introduction to Economic History of China.*
7. *Marvice Dobb(1977) Soviet economic development since 1917 6th Edition,*
8. *Rutledge & kegan Paul.W.W.Lockwood(1966),Economic Development of Japan, Expanded edition, Princeton University press.*
9. *Chalmers Johnson(1982),MITTI and the Japanese Miracle: The Growth of Industrial Policy 1925-1975, Stanford University Press.*
10. *Alec Nove(1969)An economic History of USSR, Penguin,1969.*

**B.A. Economics (Honors)**  
**Semester-VI**  
**Development Economics and Planning-II**  
**CC-13 H-ECO-6001**

**External marks:120**

**Internal Marks:30**

**Total Marks: 150**

**Credit :6**

**Time: 3 hours**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

<b>Content</b>	<b>Learning objectives</b>
<b>UNIT-I</b> <b>(i-a)</b> Planning in India: poverty in India- measurement of poverty, causes of poverty and recent poverty alleviation programmes in India; Estimate of Inequalities, Causes of Inequalities and policy measures in India <b>(i-b)</b> Unemployment in India- nature of unemployment, Causes and Government's measures in India	(i-a) has the objective of introducing students with poverty and Inequalities, their nature, causes and policy measures for abatement of poverty and Inequalities (i-b) aims at making the students acquainted with the nature of unemployment in India, and policy measures by the government
<b>UNIT-2</b> <b>(ii-a)</b> Growth Models: Harrod-Domar <b>(ii-b)</b> Neoclassical Growth Models: Solow and Robinson	(ii-a) aims at giving the pupils knowledge about Growth models by Harrod-Domar, their dynamics and limiting factors . (ii-b) has the objective of giving knowledge about Neo-classical growth models by R Solow, and J Robinson, their dynamics and limiting factors.
<b>UNIT-3</b>	iii-a

<b>(iii-a)</b> Theories of Distribution: Ricardo  <b>(iii-b)</b> Marx and Meade	aims at developing understanding in students' mind about Ricardo's theory of Rent,trend of rent in macroeconomic perspective iii-b  has the objective of introducing the the approaches of Marx and Meade for trend of input shares in macro economic perspective
UNIT-4  <b>(iv-a)</b> Planning Techniques: labor –intensive, capital-intensive and intermediate techniques <b>(iv-b)</b> Investment Criteria , and Cost-Benefit analysis.	iv-a has the objective of explaining the project planning techniques as labor-intensive, capital intensive and intermediate one, their comparison  iv-b Aims at giving the students knowledge about Investment Criteria for projects, relative merits and suitability, and Cost benefit analysis for project evaluation

## OVERVIEW OF OUTCOMES

### CORE COURSE- DEVELOPMENT ECONOMICS&PLANNING-II

After the successful completion of the course,the students will be able to Course Objective #

- 6001.1 Have in-depth knowledgeabout the poverty,inequalities,and unemployment in India  
6001.2 Have further understandingof growth models-Harrod-Domar, Solow,Robinson  
6001.3 Have knowledge about nature of distribution-Ricardo,Marx,Meade  
6001.4 Have understanding about planning techniques,Investment criteria project evaluation.

### CORE-COURSE- Development Economics & Planning-II

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
6001.1	3	3	1	2	1	2	1	3	1	2	1
6001.2	3	3	2	2	1	1	2	3	2	2	2
6001.3	3	3	1	2	2	1	2	3	2	2	2
6001.4	3	3	1	2	2	2	2	3	2	2	1
Average	3	3	1.25	2	1.5	1.50	1.75	3	1.75	2	1.5

Suggested Readings:

1. Adelman, I. (1961), Theories of Economics Growth and Development, Stanford University Press, Stanford.
2. Barro, R. and X. Salai- Martin, Economics Growth, McGraw Hill, New York.
3. Chakravarti, S. (1982), Alternative Approaches to the Theory of Economic Growth, Oxford University Press, New Delhi.
4. Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London.
5. Higgins, B. (1959), Economic Development, W.W. Norton, New York.
6. Kindleberger, C. P. (1977), Economics Development, (3rd Edition), McGraw Hill, New York.
7. Meier, G.M. and J.E. Rauch (2005), Leading Issues in Economics Development, (8th Edition), Oxford University Press, New Delhi.
8. Todaro, M.P. and S.C. Smith (2003), (8th Edition), Economics Development, Pearson Education, Delhi.
9. Thirlwal, A.P. (1999), (6th Edition), Growth and Development, Macmillan, U.K.
10. Mishra S.K. and V.K. Puri 'Economics Development and Planning. (Latest Edition)
11. Myer and Taneja 'Economics Development and Planning (latest Edition). Kalyani Publishers.
12. Lekhi, R.N. 'Economics of Development and Planning', (Latest Edition)



**B.A. Economics (Honors)**  
**Semester-VI**  
**International Economics**  
**CC-14 H-ECO-6002**

**External marks: 120**

**Internal Marks: 30**

**Total Marks: 150**

**Credits: 6**

**Time: 3 hours**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<b>UNIT-I</b> <b>(i-a)</b> International trade and trade theories: Need and Importance of study of International economics, Interregional and International trade <b>(i-b)</b> Classical theories of International Trade: Adam Smith's Absolute cost advantage and David Ricardo's comparative advantage; Comparative Advantage in terms of opportunity cost	(i-a) Aims at introducing the students about International and domestic trade; nature and importance of the study of International economics  (i-b) Has the objective of making pupils conversant with theories of trade by A Smith and D Ricardo, the classical economists, and reformulation of the theories in terms of opportunity cost
<b>UNIT-2</b> <b>(ii-a)</b> Other trade theories: Mill's Offer curves analysis, Modern H-O theory of international trade <b>(ii-b)</b> Factor price equalization theorem, Leontieff's Paradox	ii-a is meant to impart the knowledge about J Mill's theory and Heckscher-Ohlin theory of international trade  ii-b aims at implications of trade theories in the long run in terms of Factor price equalization, and Leontieff's paradox

<p>UNIT-3</p> <p><b>(iii-a)</b> Gains from Trade: measurement of gains from trade: uses &amp; limitations</p> <p><b>(iii-b)</b> Trade as an engine of growth, Hypothesis of secular deterioration in terms of trade and its relevance for Under-developed countries(UDCs)</p>	<p>iii-a</p> <p>has the objective of defining and measuring the gains from trade, and the limiting factors</p> <p>iii-b</p> <p>is meant to highlight the importance of trade and implications in terms of adverse terms-of-trade for the Less developed countries</p>
<p>UNIT-4</p> <p><b>(iv-a)</b> The theory of interventions: tariffs, Partial &amp; general effects (on National income, Employment, terms-of-trade, BoP and Income distribution)</p> <p><b>(iv-b)</b> Non-tariff barriers: Quotas and other sanctions: general and partial effects</p>	<p>iv-a</p> <p>aims at enriching students mind with knowledge of theory of interventions in terms of tariffs and quotas and their effects</p> <p>iv-b</p> <p>meant for giving conceptual and applied knowledge about non-tariff barriers</p>

## Overview of Outcomes

### CORE COURSE- International Economics

After the successful completion of the course, the students will be able to Course Objective #

6002.1 Have appreciation and perception about the basis and rationale of domestic trade and international trade. Classical theory and opportunity cost theory of trade

6002.2 Have understanding of role of reciprocal demand in trade and offer Curve approach, Heckscher-Ohlin approach, Factor price equalisation

6002.3 Have knowledge about nature of trade as a stimulant for economic Growth, gains from trade and hypothesis of secular deterioration of Terms of trade for less developed countries.

6002.4 Have understanding about interventions with free trade-quotas and tariffs, effects on balance of payments, terms of trade, income and distribution of trade gains.

### Core Course- International Economics

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
6002.1	3	3	1	2	1	2	1	3	1	2	1
6002.2	2	3	2	2	1	1	2	3	2	2	2
6002.3	3	3	1	2	2	1	2	3	1	2	1
6002.4	2	3	1	2	2	1	1	3	2	2	2
Average	2.5	3	1.25	2	1.5	1.25	1.5	3	1.5	2	1.5

### ***Basic Reading List***

- Chacholiades, M. (1990), International Trade: Theory and Policy, McGraw Hill, Kogkusha, Japan.
- Cherunilam, F. (2008): International Economics, The Tata McGraw-Hill Companies, New Delhi. 5<sup>th</sup> Ed.
- Dunn R.M. and J.H. Mutt (2000), International Economics, Routledge, London.
- Kindlberger, C P (1991): International Economics, R D Irwin, Homewood.8th Ed.
- Krugman, P.R. and Obstfeld, M. (1994), International Economics: Theory and Policy, Glenview, Foresman.
- Mishra, S.K. and Puri, V.K. (2012), Indian Economy- Its Development Experience, Himalaya Publishing House. 30<sup>th</sup> Revised Ed.
- Salvator, D L (2001): International Economics, Prentice Hall, Upper Saddle River, New York.
- Soderston, Bo. (1999), International Economics, The Macmillan Press Ltd. London.
- Yarbough, R.J. (1999), International Economics, International Thompson Publishing, New York.

### ***Additional Reading List***

- Bhagwati J. (1988), Protectionism, Cambridge University Press, Mass.
- Brahmananda, P.R. and V.R. Panchmukhi (Eds.) (1987), The Development Process of the Indian Economy, Himalaya Publishing House, Bombay.
- Dana, M.S. (2000), International Economics: Study, Guide and Work Book, (5<sup>th</sup> Edition), Routledge Publishers, London.
- Goldsten, M. (1998), The Asian Financial crisis: causes cure and systematic implications, Institute of International Economics, Washington D.C.

**B.A. Economics (Honors)**  
**Semester-VI**  
**Economics of Finance**  
**DSE-3 H-ECO-6003**

**External Marks: 120**

**Internal Marks: 30**

**Total Marks: 150**

**Time: 3 Hours**

**Credits: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A &B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

<b>Content</b>	<b>Learning objectives</b>
<b>UNIT-I</b> <b>(i-a)</b> Nature, Scope and Objective of Financial Economics; <b>(i-b)</b> Financial statement: Balance sheet, Profit & Loss Account and ratio analysis; Time value of money	(i-a) Aims at introducing to the students about Nature,scope and objectives of financial economics (i-b) aims at making the students understand basics of financial statements,and time value of money
<b>UNIT-2</b> <b>(ii-a)</b> Capital Budgeting Decisions: Net Present Value, IRR, Profitability Index, Payback <b>(ii-b)</b> Corporate Restructuring: Mergers, Acquisitions, Amalgamations, Divestments-Meaning, Motives And Strategies; Corporate Governance.	(ii-a) Has the objective of giving exposure to students about Capital budgeting and its methods (ii-b) Aims at introducing to students about Corporate strategies of restructuring, and corporate governance
<b>UNIT-3</b> <b>(iii-a)</b> Cost of Capital: Concept of Risk and Return; Portfolio Theory, Capital Asset Pricing Model	iii-a aims at developing understanding in students' mind about Risk and Return and portfolio theory iii-b

<b>(iii-b)</b> Arbitrage Pricing Theory; Efficient Market Hypothesis-Basic Concept.	has the objective of detailing about Arbitrage Pricing theory and efficient market hypothesis
UNIT-4  <b>(iv-a)</b> Capital market in India: Trends,stock markets instruments.  <b>(iv-b)</b> Major reforms in primary and secondary capital market.	iv-a  has the objective of describing and explaining the trends and stock market instruments in Indian capital market  iv-b Aims at discussing the primary capital market and stock market reforms in India

### Overview of Outcomes

#### DSE3 COURSE- Economics of Finance

After the successful completion of the course, the students will be able to Course Objective #

6003.1 Have knowledge about the Financial economics, and financial statements

6003.2 Have understanding of capital budgeting decisions, and Corporate restructuring strategies

6003.3 Have knowledge about Risk and return, portfolio theory and Efficient market hypothesis

6003.4 Have understanding about mechanism of Indian capital Market, and capital market reforms

#### DSE3 Course- Economics of Finance

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
6003.1	3	3	1	2	1	2	1	3	1	2	1
6003.2	2	3	2	2	1	1	2	3	2	2	2
6003.3	3	3	1	2	2	1	2	3	1	2	1
6003.4	2	3	1	2	2	1	1	3	2	2	2
Average	2.5	3	1.25	2	1.5	1.25	1.5	3	1.5	2	1.5

### Suggested Reading List

1. DK Khatri: *Investment Management & Security Analysis : Text and Cases*; McMillan India
2. DK Khatri: *Investment Management & Security Analysis: Text and Cases*; McMillan Indian
3. Dornbusch R., Fischer and Startz (1998), *Macroeconomics*, McGraw Hill, New York

4. *IM Pandey: Financial Management*
5. *Jha , R. (1998), Modern Public Economics, Routledge, London.*
6. *Khan and Jain: Financial Management Fouth Ed. Tata McGraw Hill.*
7. *Mishan E. J.(1982),Cost-Benefit Analysis: An Informal Introduction,* George Allen and Unwin, London.
8. *Prasanna Chandra: Financial Management; McGraw-Hill*
9. *Prasanna Chandra: Investment management and Portfolio*
10. *Prasanna Chandra: Investment management and Portfolio Analysis; McGraw-Hill*
11. *Sen Amartya,; The Possibility of Social Choice, American Economic Review, Vol. 89(3), 1999, PP. 349-378. Stiglitz, J.E. (1999*

**B.A Economics (Honors)**  
**Semester-vi**  
**Economics of Health and Finance**  
**DSE 4 H-ECO-6004**

**External Marks:120**

**Internal Marks:30**

**Total Marks: 150**

**Time: 3 Hours**

**Credits: 6**

**Note:**

- (i) Nine Questions will be set in all and students will be required to attempt 5 questions.
- (ii) Question No. 1 will be compulsory and will consist of PART-A & B, comprising 15 and 9 marks respectively. All Qs of PART-A and 3 Qs out of 6 from part-B are to be attempted
- (iii) For the remaining four questions, students will attempt 1 out of 2 questions from each of the four units (24 marks each)

Content	Learning objectives
<b>UNIT-I</b> <b>(i-a)</b> Role of Health and Education in Human Development: Importance in poverty alleviation <b>(i-b)</b> health and education outcomes and their relationship with macroeconomic performance	(i-a) Aims at introducing to the students about health and education as stimulants to human development, and poverty alleviation  (i-b) aims at making the students understand about health and education outcomes and economic development
<b>UNIT-2</b> <b>(ii-a)</b> Health Sector in India: Overview; Health outcomes <b>(ii-b)</b> healthcare systems; health financing.	(ii-a)  Has the objective of giving knowledge about health sector of India and indicators of health quality (ii-b) Aims at introducing to students about Health care systems and funding of healthcare infrastructure
<b>UNIT-3</b> <b>(iii-a)</b> Education: Investment in Human Capital: Rate of return to education: private and social; quality of education;	iii-a aims at developing understanding in students' mind about education as investment in human capital, and quality of education  iii-b

<b>(iii-b)</b> Signalling of human capital; theories of discrimination; gender and caste discrimination in India.	has the objective of detailing about the return of education as asset; problems of discrimination
UNIT-4 <b>(iv-a)</b> Education Sector in India: Overview; Literacy rates, school participation, school quality measures <b>(iv-b)</b> Role of Higher Education and Vocational Education in India; Skill India campaign	iv-a has the objective of describing and explaining the basics of education sector; school education iv-b Aims at discussing the role of higher education and skill creation.

#### Overview of Outcomes

#### DSE4 Course- Economics of Health and Education

After the successful completion of the course, the students will be able to Course Objective #

6004.1 Have knowledge about the basics of role and outcomes education and health w.r.t. economic development

6004.2 Have understanding of healthcare systems and funding of health infrastructure

6004.3 Have knowledge about education as investment in human Resources, and problem of discrimination

6004.4 Have understanding about school and higher education In India and skill creation campaign

#### DSE4-COURSE- Economics of Health And Education

CO#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
6004.1	3	3	1	2	1	2	3	3	2	2	1
6004.2	3	3	2	2	1	1	2	3	2	2	2
6004.3	3	3	1	3	2	1	3	3	2	2	1
6004.4	3	3	1	2	2	1	3	3	2	2	2
Average	3	3	1.25	2.25	1.5	1.25	2.75	3	2	2	1.5



## **Suggested Reading List:**

1. *Mishra S.K. and Puri V.K, Indian Economy Himalya Publication House Latest Edition.*
2. *Monga G.S. and Goel M.M. (2001) Wage Goods Approach and Development Deep and Deep New Delhi.*
3. *Parikh, K.S. (1999), India Development Report – 1999-2000, Oxford University Press, New Delhi.*
4. *Ronald G., Ehrenberg and Robert S., Smith, Modern Labor Economics:*
5. *Sen, A. (1992), Inequality Reexamined, Oxford University Press, Oxford.*
6. *Sen, A.K. (Ed.) (1990), Growth Economics, Penguin, Harmondsworth.*
7. *Sen, A. (1983), Poverty and Famines, Oxford University Press, Oxford.*
8. *Theory and Public Policy, Addison Wesley, 2005*
9. *Thirlwal, A.P. (1999), (6th Edition), Growth and Development, Macmillan, U.K.*
10. *Todaro, M.P. and S.C. Smith (2003), (8th Edition), Economic Development, Pearson Education, Delhi.*
11. *William, Jack, Principles of Health Economics for Developing Countries, World Bank*
12. *World Development Report, Investing in Health, The World Bank, 1993.*