

SEMESTER-IV

ECN-H-C-408-T	INTRODUCTORY MATHEMATICS FOR ECONOMICS	(06 Credits, 60 Lectures)
---------------	--	---------------------------

Credits 06, Lectures 60, Tutorials 15 Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :- Mid Semester Examination (MSE):

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE): Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 mark each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered. Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1: Basic Concepts

- 1.1 Set Theory: Concept; Types; Set operations; Use of Venn Diagrams
- 1.2 1.2: Functions: Concept; Types of Functions and its Graphs.
- 1.3 1.3: Equations: Concept; System of Equations; Economic Application of Equations
- 1.4 Elements of Coordinate Geometry: Straight Line

Unit 2: Limit and Differentiation

- 2.1 Limit: Concept; Rules
- 2.2 Differentiation: Nature; Rules; Techniques of Simple differentiation.
- 2.3 Maxima and Minima: First Order and Second Order Conditions; Point of Inflexion; Application of Maxima and Minima in Economics : Equilibrium of the Firm under Perfect Competition and Monopoly
- 2.4 Inter-Relationships among Total, Marginal and Average Cost and Revenues.

Unit 3: Integration

- 3.1 3.1: Integration of a Function: Concept and Rules of Integration; Definite and Indefinite Integrals.
- 3.2 Economic Application of Integrals: Obtaining Total Function from Marginal Function of Revenue, Cost and Product.

Unit 4: Matrix and Determinants

- 4.1 4.1: Various Types of Matrices.
- 4.2 Matrix Operations.
- 4.3 Determinants.
- 4.4 Inverse of a Matrix, Rank of Matrix
- 4.5 Cramer's Rule for Solution of Linear Non-homogenous Equation System

Suggested Readings-

- 1) Mathematical Analysis for Economics, R.G. D. Allen. , All India Publishers and Distributors
- 2) Introduction to Mathematical Economics , Edward T. Dowling , McGraw Hill
- 3) Elementary Mathematics in Economics , Mehta &Madnani, Lakshmi Narain Agarwal
- 4) Mathematical Economics (Hindi Edition) , Dr. J.P. Mishra, Sahitya Bhawan Publications
- 5) Mathematical Methods for Economics – I (IGNOU), SCP Panel of Experts, Shri Chakradhar Publication Pvt. Ltd.

SEMESTER-IV

ECN-H-C-409-T	INTERNATIONAL ECONOMICS	(06 Credits, 60 Lectures)
---------------	-------------------------	---------------------------

Credits 06, Lectures 60, Tutorials 15 Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :- Mid Semester Examination (MSE):

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE): Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 mark each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered. Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1: Scope of International Economics

- 1.1 International Economics: Definition, Nature and Importance.
- 1.2 Gains from Trade: Their Measurement and Distribution.
- 1.3 Absolute Cost Advantage; Comparative Cost Advantage (Ricardian); Heckcher -Ohlin Theory of International Trade.

Unit 2: International Trade Policy

- 2.1 2.1: Free Trade vs. Protection.
- 2.2 Methods of Trade Restriction: Tariff- Types, Optimum Tariff, Impact of Tariff in partial equilibrium analysis; Quotas- Types, Their impact in partial equilibrium analysis

Unit 3: Foreign Exchange

- 3.1 Exchange Rate Determination: Gold Standard (Mint Parity); Purchasing Power Parity Theory.
- 3.2 Devaluation and Appreciation of Currency& impact on International Trade.

Unit 4: Balance of trade and Balance of Payment

- 4.1 Concepts and Components of Balance of Trade and Balance of Payment.
- 4.2 Equilibrium and Disequilibrium in Balance of Payment; Consequences of Disequilibrium in Balance of Payment; Measures to Correct Deficit in the Balance of Payments.

Unit 5: International Financial Institutions and India

- 5.1 5.1: Functions of IMF; World Bank; WTO with reference to India.
- 5.2 Need and Importance of Foreign Capital in Developing Economies.

Suggested Readings-

1. J.Bhagwati, International Trade, Cambridge Univ. Press
2. M.L. Verma, International Trade, Vikas Pub. Press
3. S.K. Singh, International Monetary System - Trends & Issues, Indus Publishing Company
4. H.G. Mannur, International Economics, Vikas publication
5. Paul R Krugman, International Economics- Theory and Practice, Pearson Publication
6. D. Salvatore, International Economics, Wiley India
7. Sachdeva, International Economics, Vikas Bharati Publication
8. Vaishya & Sachdeva Singh - Antarashtriya Arthshastra, Oxford & IBH Com.
9. M.L. Jhingan, Antarrashtriya Arthshashtra, Vikas Publication.

SEMESTER-IV

ECN-H-C-410-T	SECTORAL ANALYSIS OF INDIAN ECONOMY	(06 Credits, 60 Lectures)
---------------	-------------------------------------	---------------------------

Credits 06, Lectures 60, Tutorials 15 Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

Instruction to Question Setter for :- Mid Semester Examination (MSE):

1/2 Hrs. One semester internal Assessment (SIA) of 10 marks

End Semester Examination (ESE): Full Marks 80, Time 3 Hrs.

Five Questions have to be answered out of total of nine Questions of 16 marks each. Question no 1 is compulsory. Question No.1A will contain 04 MCQ of 02 mark each. Question No.1B will comprise of 02 short answer type questions of 04 marks each (to be answered in about 100 words each). Any four questions from 2 to 9 are to be answered. Question nos. 2 to 8 shall be of descriptive type of 16 marks each. Question no 9 will be of short note type 4 questions, each carrying 8 marks in which any two should be answered (8x2=16).

Unit 1: Framework of Indian Economy and Its Problems

- 1.1 Nature of the Indian Economy – India as a Developing Economy
- 1.2 Trends and Growth of Indian Economy.
- 1.3 Poverty: Causes, Remedial Measures, Multi-dimensional Poverty index.
- 1.4 Problem of Unemployment, solutions and Government Initiatives.

Unit 2: Population and human Development

- 2.1 India's Population: Size, and Growth Trends
- 2.2 The Three Stage of Demographic Transition
- 2.3 Population and Economic Development, Remedies for Rapid Growth of Population.
- 2.4 Essential Component of Human Development, Why Human Development, Health and Malnutrition.

Unit 3: Basic Issues in Agriculture

- 3.1 Role of Agriculture in Indian Economy, Trend in Agriculture Production and Productivity, Cropping Pattern in India.
- 3.2 Green revolution, Impact of Green Revolution.
- 3.3 New Agriculture Policy in India, Trend in Agricultural prices.
- 3.4 The Problem of Food Security, National Food Security Act.

Unit 4: The Industrial Sector

- 4.1 Trends in Industrial Production, Problems os Industrial Development in India.
- 4.2 The Role and Performance of Small and Cottage Industries in Indian Economy.
- 4.3 Performance of the Public Sector.

- 4.4 New Industrial Policy, Appraisal of New Industrial Policy, The disinvestment Programme in India, Corporate Social Responsibility.

Unit 5: India's foreign trade

- 5.1 Composition of Foreign Trade, direction of Trade.
- 5.2 India's Balance of Payment- Balance of Payment Situation since 1991, Challenges and outlook.
- 5.3 Foreign Trade Policy, Need for Foreign Capital, Foreign Investment Inflows.

Unit 6: Some Recent Initiative development-

- 6.1 Make in India, Startup India, Skill development, Jan Dhan Yojana, National Rural Livelihood Mission, MNREGA.

Suggested Readings-

1. Bhagawati, J (2012): Reform and Economic Transformation in India.
2. Brahmananda, P.R. and Panchmukhi, V.R. (2001) : Development Experience in Indian Economy: Inter State Perspective, Bookwell , Delhi.
3. Goyal, Ashima (2015): A Concise Handbook of Indian Economy in the 21st century.
4. Dantwala, M.L. (1996): Dilemmas of Growth The Indian Experience, Oxford University Press, New Delhi.
5. Puri, V.K. and Mishra, S.K. (2018): Indian Economy, Himalaya Publishing House.(Hindi/English)
6. Dutt, R. and Mahajan, B.D. (2018): Indian Economy, S. Chand Publications, New Delhi. (Hindi/English)
7. Yojana(Hindi/English)- A Monthly Magazine.
8. Kurukshetra (Hindi/English)- A Monthly Journal of Rural Development.
9. Economic Survey, Govt. of India (Hindi/English)

SEMESTER-IV

ECN-H-GE-404-T	Paper XYZ-H-GE-404- T as per choice of course from list in Annexure 3.	(06 Credits, 60 Lectures)
-----------------------	---	----------------------------------

Students must choose a course XYZ out of the courses offered in Annexure 3. They shall study one paper as a GE paper of that course in Semesters I, II, III and IV as offered by that course.

Credits 06, Lectures 60, Tutorials 15

Marks: 20 (MSE)+ 80 (ESE) =100

Pass Marks: (MSE:08+ ESE: 32)= 40

SEMESTER-IV

ECN-H-SEC-402-T	See Annexure 2	(02 Credits, 30 Lectures)
------------------------	-----------------------	----------------------------------

This is the second of the two compulsory Skill Enhancement paper for all students.

(See Annexure 2 for choice of course and Syllabus)

Credit Theory (02), Theory-30 Lectures Marks:10(MSE) +40 (ESE) =50.

Pass Marks: (MSE:04 + ESE: 16) =20
