



## B.A-Economics

Single Major  
From 2023-24 (Syllabus-Curriculum)  
Course Structure

Semester	Paper	Hours	Credits
I	1. Fundamentals of Social Sciences 2. Perspectives on Indian Society		



Single Major  
Common Papers (w.e.f. AY 2023-24)  
SEMESTER-I

Paper – 1 Fundamentals of Social Sciences

Theory	Credits:	hrs/week
<b>Learning objectives:</b> The student will be able to understand the nature, various approaches, organs of the state, social perspectives and application of ICT.		
<b>Learning Outcomes:</b> On successful completion of the course the student will be able to:		
<ol style="list-style-type: none"><li>1. Learn about the nature and importance of social science.</li><li>2. Understand the Emergence of Culture and History</li><li>3. Know the psychological aspects of social behaviour</li><li>4. Comprehend the nature of Polity and Economy</li><li>5. Knowledge on application of computer technology</li></ol>		
Unit – I – What is Social Science?		
<ol style="list-style-type: none"><li>1. Definition and Scope of Social Science – Different Social Sciences</li><li>2. Distinction between Natural Science and Social Sciences</li><li>3. Interdisciplinary Nature of Social Sciences</li><li>4. Methods and Approaches of Social Sciences</li></ol>		
Unit -II: Understanding History and Society		
<ol style="list-style-type: none"><li>1. Defining History, Its Nature and Scope</li><li>2. History- A Science or an Art</li><li>3. Importance of History in the Present Society</li><li>4. Types of History and Chronology of Indian History</li></ol>		
Unit – III – Society and Social Behaviour		
<ol style="list-style-type: none"><li>1. Definition, Nature and Scope of Psychology</li><li>2. Importance of Social Interaction</li><li>3. Need of Psychology for present Society</li><li>4. Thought process and Social Behavior</li></ol>		
Unit – IV – Political Economy		
<ol style="list-style-type: none"><li>1. Understanding Political Systems</li><li>2. Political Systems – Organs of State</li><li>3. Understanding over Economics - Micro and Macro concepts</li><li>4. Economic Growth and Development - Various aspects of development</li></ol>		
Unit - V – Essentials of Computer		
<ol style="list-style-type: none"><li>1. Milestones of Computer Evolution - Computer – Block Diagram, Generations of Computers</li><li>2. Internet Basics – Internet History, Internet Service Providers – Types of Networks – IP – Domain Name Services – Applications</li><li>3. Ethical and Social Implications – Network and Security concepts – Information assurance fundamentals</li><li>4. Cryptography – Symmetric and Asymmetric –malware – Fire walls – Fraud Techniques – Privacy and Data Protection</li></ol>		



**Reference Books**

1. The social sciences: An Integrated Approach by James M. Henslin and Danniell F. Chambliss
2. The Wonder that was India – A.L.Bhasham
3. Introduction to Psychology – Morgan and King
4. Principles of Political Science – A.C. Kapoor
5. Contemporary Political Theory – J.C.Johari
6. M.L.Jhingan – Economic Development – Vikas, 2012
7. ML Seth – Macro Economics - Lakshminarayana Agarawal, 2015
8. Fundamentals of Computers by V. Raja Raman
9. Cyber Security Essentials by James Graham, Richard Howard, Ryan Olson

**Activities:**

1. Group Project Work
2. PPT Presentation, Participation in Webinars
3. Field visits
4. Group Discussion
5. Survey and Analysis
6. Charts and Poster presentation
7. Identifying the attributes of network (Topology, service provider, IP address and bandwidth of your college network) and prepare a report covering network architecture.
8. Identify the types of malwares and required firewalls to provide security.
9. Latest Fraud techniques used by hackers.



Single Major  
Common Papers (w.e.f. AY 2023-24)  
SEMESTER-I

Paper – II Perspectives on Indian Society

Theory \_\_\_\_\_ Credits: \_\_\_\_\_ hrs/week \_\_\_\_\_

**Learning objectives:** The student is expected to demonstrate the significance of social sciences through better understanding of various fields of social experience and would be able to apply methods and approaches to social phenomena.

**Learning Outcomes:** On successful completion of the course the student will be able to:

1. Learn about the significance of human behavior and social dynamics.
2. Remembers the Indian Heritage and freedom struggle
3. Comprehend the philosophical foundations of Indian Constitution
4. Knowledge on Indian Economy

Unit – 1 – Man in Society

1. Human Nature and Real-Life Engagement
2. Social Groups and Social Dynamics
3. Individualism and Collectivism – Ethical Concerns
4. Human Life – Social Influence and Social Impact

Unit-II: Indian Heritage and Freedom Struggle in India

1. Cultural & Heritage sites of Tourism in India
2. Indian Dance, Music and Yoga
3. Rise of Nationalism Under British Rule in brief (1857-1947)
4. Contemporary history of India-integration of Princely States, abolition of Zamindari, formation of linguistic states

Unit – 3 – Indian Constitution

1. Philosophical Foundations of Indian Constitution
2. Elements of Indian Constitution
3. Study of Rights in Indian Constitution
4. Directive principles to State

Unit – 4. Indian Economy

1. Indian Economy - Features – Sectoral contribution in income
2. Role of Financial Institutions - RBI - Commercial Banks
3. Monetary and Fiscal Policies for Economic Development
4. Economic Reforms - Liberalization - Privatization- Globalization

Unit – 5 - Impact on Society & Analytics

1. Role of Computer, impact of Computers on human behavior, e-mail,
2. Social Networking- WhatsApp, Twitter, facebook, impact of Social Networks on human behavior.
3. Simulating, Modeling, and Planning, Managing Data, Graphing, Analyzing Quantitative Data,
4. Expert Systems and Artificial Intelligence Applications in the Social Sciences



**References**

1. Introduction to Psychology – Atkinson RC
2. History of the freedom movement in India – Tarachand
3. India since Independence – Bipinchandra
4. Introduction to the Constitution of India D.D.Basu
5. S.K Misra & V.K Puri – Indian Economy, Himalaya Publishing House , 2015
6. Government of India, Economic Survey (Annual), New Delhi
7. Information and Communication Technology by APCCE
8. Computer Applications in the Social Sciences by Edward E. Brent, Jr. and Ronald E. Anderson

**Activities:**

1. Assignment
2. PPT Presentation, Participation in Webinars
3. Field visits
4. Group Discussion
5. Survey and Analysis
6. Charts and Poster presentation
7. Identify the peripherals connected to a system and label them as either Input or Output or both.
8. Identify the Operating System loaded in your system and compare the features with other existing Operating System.
9. Collect latest census data and draw a graph indicating the growth rate.
10. Predicting the risk of depression, substance dependency, drinking, obsessive compulsive disorders, and suicide using AI.

## **Course – I & II Model Paper (70 Marks)**

**SECTION A (Multiple Choice Questions)**

**30 x 1 = 30 M**

**30 Multiple Choice Questions (Each Unit 6 Questions)**

**SECTION B (Fill in the blanks)**

**10 x 1 = 10 M**

**10 Fill in the Blanks (Each Unit 2 Questions)**

**SECTION C (Very short answer questions)**

**10 x 1 = 10 M**

**10 Very short answer questions (Each Unit 2 Questions)**

**SECTION D (Matching) (From 5 Units)**

**2 x 5 = 10 M**

**1 A**

**B**

**C**

**D**

**E**

**2 A**

**B**

**C**

**D**

**E**

**SECTION E (True or False)**

**10 x 1 = 10 M**

**10 True or False (Each Unit 2 Questions)**



## Program: B.A. Honours in Economics

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**Program Objective:** This program is to impart the knowledge and skills among the students in the field of economics as major along with skills in languages and selected minor subject.

### Program Outcomes:

- PO 1:** Learn basic concepts, principles and theories in economics
- PO 2:** Analyse issues in current economy at different levels
- PO 3:** Acquire employability and research skills in the field of economics
- PO 4:** Gain knowledge to understand the society around
- PO 5:** Learn soft and life skills for effective communication and personality development



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**Single Major (w.e.f:2023-24A.B)**

**ECONOMICS**

**SEMESTER – II**

<b>Sem</b>	<b>Paper</b>	<b>Credits</b>	<b>Hours</b>
<b>II</b>	3. Microeconomics	4	4
	4. Mathematical Methods for Economics	4	4





## MICROECONOMICS

**Course Objective:** This course is to learn about basic concepts, principles and theories in Microeconomic to understand the economic behavior of an individual person and firm.

**Course Learning Outcomes:**

After studying this course, the student shall be able to achieve the following outcomes:

**CO1:** Explain what is an economy, economics and differentiate between micro and macro economics

**CO2:** Analyses the demand of a product and estimate elasticity

**CO3:** Estimate production function and understand its application

**CO4:** Analyze functioning of different markets and their differentiations

**CO5:** Examine the determination of rent, wage, interest and profit

**Unit-1: Introduction to Economics**

- Economic Activities and Economic System; Definition, Scope and Importance of Economics
- Fundamental problems of economics: Scarcity and Choice, Production Possibilities Curve
- Meaning and Scope of Microeconomics; Differences between Micro and Macro Economics
- Principles of Microeconomics: Equilibrium, Optimization, Welfare ; Methodology in Economics : Positive and Normative

**Unit -2: Demand and Consumption**

- Demand: Meaning, Types and Factors; Law of Demand
- Elasticity of Demand: Meaning, Price, Income and Cross Elasticities
- Utility: Meaning, Types, Importance; Marginal Rate of Substitution (MRS), DMRS
- Indifference Curves (IC): Concept, Properties; Budget Line; Consumer Equilibrium under IC

**Unit -3: Production and Supply**

- Firm: Concept and Objectives; Production and Factors of Production; Concepts of Production, Cost and Revenue: Total, Average, Marginal
- Production Function: Meaning and Types; Cobb- Douglas Production Function
- Law of Variable Proportions; Laws of Returns to Scale
- Supply: Meaning, Factors, Law of Supply, Elasticity of Supply



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**Unit-4: Markets**

- Market: Concept and Classification; Perfect Competition: Characteristics, Equilibrium of Firm and Industry
- Monopoly: Characteristics, Equilibrium, Price Discrimination
- Monopolistic Competition: Characteristics, Equilibrium, Selling Costs
- Oligopoly: Characteristics, Types, Kinked Demand Curve Model

**Unit - 5: Distribution**

- Distribution: Meaning, types and importance
- Rent: Ricardian Theory of Rent, Marshallian Quasi Rent
- Theories of Wage: Subsistence Theory, Modern Theory
- Theories of Interest: Classical Theory, Loanable Funds Theory
- Theories of Profit: Risk and Uncertainty Theory, Innovations Theory

**References:**

1. Microeconomic Analysis, Bilingual Textbook, APSCHE
2. H. L. Ahuja, Advanced Economic Theory, S. Chand, 2004
3. A. Koutsoyiannis, Modern Microeconomics – Macmillan, London.
4. P. N. Chopra, Principles of Economics, Kalyani Publishers, Ludhiana, 2018.
5. Telugu Academy Publications on Microeconomics
6. Microeconomics, Dr. Br. Ambedkar Open University Material
7. Microeconomics, IGNOU Material

**Suggested Activities:**

Unit-1: Group discussion on Identifying Surrounding Economic Activities

Unit-2: Project on Demand Analysis of any Good/Services and make presentation

Unit-3: Assignment on any production function or concepts of production

Unit-4: Field visit to any market and submission of a report

Unit-5: Seminar on distribution theories



## MATHEMATICAL METHODS FOR ECONOMICS

**Course Objective:** This course is to provide basic understanding about mathematical methods relevant to economics and skills to apply them in understanding various economic issues.

### Course Learning Outcomes:

After studying this course, the student shall be able to achieve the following outcomes:

- CO1:** Explain the basics of sets, functions and their graphical representation
- CO2:** Learn the rules of differentiation and apply the same to economic problems
- CO3:** Learn and use maxima and minima to Optimization problems in economics
- CO4:** Apply rules of integration to estimate the size of consumers' and producers' surplus
- CO5:** Solve the economic problems through the application of the Matrix Theory

### Unit 1: Sets & Functions

- Role of Mathematical Methods in Economics
- Sets: Types, Operations
- Functions: Meaning, Types, Graphical Representation, Applications in Economics.

### Unit 2: Differential Calculus

- Limits of Functions; Continuity and Differentiability of a Function
- Derivative of a Function; Rules of Differentiation
- First and Second Derivatives and their Interpretations; Partial Derivatives
- Applications of Derivatives in Economics

### Unit 3: Optimization Problems and their Applications

- Concept of Optimization in mathematics; Problems of Maxima and Minima
- Unconstrained & Constrained Optimization
- The Method of Lagrange Multipliers
- Some Applications of Optimization in Economics

### Unit 4: Integrations and Linear Programming

- Concept of integration; Simple Rules of Integration
- Application of Integrations in Economics
- Linear Programming: Basic Concept, Formulation of Problem; Feasible, Basic and Optimal Solutions
- Applications of Liner Programming in Economics.

### Unit 5: Matrices and Determinants and Applications in Economics

- Matrix: Concept, Types; Matrix Operations: Addition, Multiplication



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- Determinants, Inverse of a Matrix
- Solution to the System of Simultaneous Equations, Cramer's Rule
- Some Applications of Matrix Theory in Economics

**References:**

1. Alien, R.G.D. (1974), *Mathematical Analysis for Economists*, Macmillan Press and ELBS, London.
2. Chiang, A.C. (1986), *Fundamental Methods of Mathematical Economics*, McGraw Hill, New York.
3. Yamane, Taro (1975), *Mathematics for Economists*, Prentice Hall of India New Delhi.
4. Heijdra, B.J. and V.P. Fredericck (2001), *Foundations of Modern Macroeconomics*, Oxford University Press, New Delhi.
5. Knut Sydsaeter and Peter Hammond (2008), *Mathematics for Economic Analysis*. Pearson education.
6. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, Khan Academy etc.

**Suggested Activities:**

Unit-1: Assignments on solving sets and modeling various functions

Unit-2: Exercises on solving differential equation and their application in economics

Unit-3: Board Presentation by students in solving the optimization problems related to economics

Unit-4: Task Based Learning (TBL) for solving and application of the liner program models with economic examples

Unit-5: Group Projects on solving matrix problems, submit report and make presentation.

**BLUE PRINT OF MODEL QUESTION PAPER (Sem-End. Examinations)**

**COURSE NAME**

**MODEL QUESTION PAPER - THEORY**

Semester: ...

Paper: ....., Title of the paper

Time: 3 Hours.

Max Marks: 70

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**SECTION – A**

**Answer any 5 questions. Each question carries 4 marks (5 X 4 = 20M)**  
(Total 8 questions, questions 1-5 from Units 1-5 & questions 6-8 from any of the units)

1. Unit -I
2. Unit-II
3. Unit-III
4. Unit-IV
5. Unit-V
6. From any Unit
7. From any Unit
8. From any Unit

**SECTION – B**

**Answer all the questions. Each question carries 10 marks. (5 X 10 = 50M)**  
(Each question (both 'A' or 'B') from each Unit.

9. from Unit I  
(OR)  
from Unit I

10. from Unit II  
(OR)  
from Unit II

11. from Unit III  
(OR)  
from Unit III

12. from Unit IV  
(OR)  
from Unit IV

13. from Unit V  
(OR)  
from Unit V