



**BHARATHIDASAN UNIVERSITY TIRUCHIRAPPALLI-620024.**

**M.A.ECONOMICS - 2026-2027 onwards**

**CHOICE BASED CREDIT SYSTEM-LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK  
(CBCS - LOCF)**

**PROGRAMME OUTCOMES (PO)**

1. Students will be able to analyze economic theories and relevant issues.
2. Students will be able to develop quantitative skills in economics.
3. Students will be able to conduct effective economic and socially relevant research.
4. Students will be able to evaluate economic policies and their impact on society.
5. Students will be able to develop professional, communication, and environment sustainability skills.

**PROGRAMME SPECIFIC OUTCOMES (PSO)**

1. Explain and apply various concepts of economics across different sectors.
2. Analyze the mathematical and statistical tools used to address relevant social and economic problems.
3. Evaluate the effectiveness of fiscal and monetary policies.
4. Apply research knowledge using appropriate economic variables.
5. Develop entrepreneurial skills and understand international trade relations with corporate social responsibility.



## M.A. ECONOMICS (P.G)

**CHOICEBASED CREDIT SYSTEM-LEARNINIG OUTCOME SBASED CURRICULUM  
FRAME WORK (CBCS - LOCF)**
**(Applicable to the candidates admitted from the academic year 2026-2027 onwards)**

| Sem.                                                                                              | Name of the Courses                             | Title of Course                                     | Ins.<br>Hrs. | Credit    | Exam<br>Hrs. | Marks |     | Total      |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------|--------------|-----------|--------------|-------|-----|------------|
|                                                                                                   |                                                 |                                                     |              |           |              | Int   | Ext |            |
| I                                                                                                 | Core Course-1(CC- 1)                            | Advanced Micro Economics –I                         | 6            | 4         | 3            | 30    | 70  | 100        |
|                                                                                                   | Core Course-2 (CC- 2)                           | Modern Macro Economics-I                            | 6            | 4         | 3            | 30    | 70  | 100        |
|                                                                                                   | Core Course-3(CC- 3)                            | Monetary Economics                                  | 6            | 4         | 3            | 30    | 70  | 100        |
|                                                                                                   | Discipline Centric Elective Course -1 (DCEC- 1) | Population Studies (or) Urban Economics             | 5            | 4         | 3            | 30    | 70  | 100        |
|                                                                                                   | Generic Elective Course-1(GEC-1)                | Labour Economics (or) Regional Economic Development | 5            | 3         | 3            | 30    | 70  | 100        |
|                                                                                                   | Skill Enhancement Course-1 (SEC-1)              | Computer Application in Economics                   | 2            | 2         | 3            | 30    | 70  | 100        |
|                                                                                                   | Value Added Course-1(VAC-1)*                    | Calculation of Income Tax                           | -            | 2*        | 3            | 30    | 70  | 100*       |
|                                                                                                   | <b>Total</b>                                    |                                                     | <b>30</b>    | <b>21</b> |              |       |     | <b>600</b> |
| II                                                                                                | Core Course- 4(CC- 4)                           | Advanced Micro Economics –II                        | 6            | 4         | 3            | 30    | 70  | 100        |
|                                                                                                   | Core Course-5(CC- 5)                            | Modern Macro Economics –II                          | 6            | 4         | 3            | 30    | 70  | 100        |
|                                                                                                   | Core Course-6(CC- 6)                            | Mathematical Methods in Economics                   | 6            | 4         | 3            | 30    | 70  | 100        |
|                                                                                                   | Discipline Centric Elective Course –2 (DCEC-2)  | Social Economics (Or) Industrial Economics          | 4            | 4         | 3            | 30    | 70  | 100        |
|                                                                                                   | Generic Elective Course-2 (GEC-2)               | Managerial Economics (Or) Welfare Economics         | 4            | 3         | 3            | 30    | 70  | 100        |
|                                                                                                   | Skill Enhancement course-2 (SEC-2)              | Personality and Soft Skill Development              | 2            | 2         | 3            | 30    | 70  | 100        |
|                                                                                                   | NonMajor Elective Course-1 (NMEC- 1)            | One Course from Outside Department                  | 2            | 2         | 3            | 30    | 70  | 100        |
|                                                                                                   | <b>Total</b>                                    |                                                     | <b>30</b>    | <b>23</b> |              |       |     | <b>700</b> |
| <b>Summer Internship/Industrial Activity during the Summer Vacation after 1<sup>st</sup> Year</b> |                                                 |                                                     |              |           |              |       |     |            |

|     |                                                |                                                              |            |           |    |    |    |             |
|-----|------------------------------------------------|--------------------------------------------------------------|------------|-----------|----|----|----|-------------|
| III | Core Course -7 (CC- 7)                         | Research Methods in Economics                                | 6          | 4         | 3  | 30 | 70 | 100         |
|     | Core Course - 8(CC- 8)                         | Public Economics                                             | 6          | 4         | 3  | 30 | 70 | 100         |
|     | Core Course – 9(CC- 9)                         | Econometrics                                                 | 6          | 4         | 3  | 30 | 70 | 100         |
|     | Discipline Centric Elective Course -3 (DCEC-3) | Goods and Service Tax (Or) Principles of Business Management | 5          | 4         | 3  | 30 | 70 | 100         |
|     | Generic Elective Course-3(GEC-3)               | Health Economics (Or) Human Resource Management              | 5          | 3         | 3  | 30 | 70 | 100         |
|     | Non-Major Elective Course-2(NMEC- 2)           | One Course from Outside Department                           | 2          | 2         | 3  | 30 | 70 | 100         |
|     | Summer Internship/ Industrial Activity @       |                                                              | --         | 2         | -- | 20 | 80 | 100         |
|     | <b>Total</b>                                   |                                                              | <b>30</b>  | <b>23</b> |    |    |    | <b>700</b>  |
| IV  | Core Course–X(CC- 10)                          | Economics of Growth and Development                          | 6          | 4         | 3  | 30 | 70 | 100         |
|     | Core Course-XI(CC-11)                          | International Economics                                      | 6          | 4         | 3  | 30 | 70 | 100         |
|     | Core Course-XII(CC-12)                         | Indian Economy                                               | 6          | 4         | 3  | 30 | 70 | 100         |
|     | Discipline Centric Elective Course -4 (DCEC-4) | Marketing Management (Or) Organizational Behaviour           | 4          | 4         | 3  | 30 | 70 | 100         |
|     | Entrepreneurship/ Industry Based Course @      | Entrepreneurship                                             | 3          | 3         | 3  | 30 | 70 | 100         |
|     | Project@                                       |                                                              | 5          | 5         | -- | 20 | 80 | 100         |
|     | Value Added Course–2 (VAC-2)*                  | Financial Economics                                          | -          | 2*        | 3  | 30 | 70 | 100*        |
|     | <b>Total</b>                                   |                                                              | <b>30</b>  | <b>24</b> |    |    |    | <b>600</b>  |
|     | <b>Grand Total</b>                             |                                                              | <b>120</b> | <b>91</b> |    |    |    | <b>2600</b> |

### LIST OF DISCIPLINE CENTRIC ELECTIVE COURSE

| <b>Discipline Centric Elective Course - 1 (DCEC - 1)</b> |                                |
|----------------------------------------------------------|--------------------------------|
| 1.                                                       | Population Studies             |
| 2.                                                       | Urban Economics                |
| <b>Discipline Centric Elective Course - 2 (DCEC - 2)</b> |                                |
| 1.                                                       | Social Economy                 |
| 2.                                                       | E-Commerce                     |
| <b>Discipline Centric Elective Course - 3 (DCEC - 3)</b> |                                |
| 1.                                                       | Goods and Service Tax          |
| 2.                                                       | Principles of Basic Management |
| <b>Discipline Centric Elective Course - 4 (DCEC - 4)</b> |                                |
| 1.                                                       | Marketing Management           |
| 2.                                                       | Organizational Behaviour       |

### LIST OF GENERIC ELECTIVE COURSE (GEC)

| <b>GENERIC ELECTIVE COURSE - 1 (GEC - 1)</b>                                              |                                |
|-------------------------------------------------------------------------------------------|--------------------------------|
| 1. A                                                                                      | Labour Economics               |
| 2. B                                                                                      | Regional Economics             |
| <b>GENERIC ELECTIVE COURSE - 2 (GEC - 2)</b>                                              |                                |
| 1. A                                                                                      | Managerial Economics           |
| 2. B                                                                                      | Welfare Economics              |
| <b>GENERIC ELECTIVE COURSE - 3 (GEC - 3)</b>                                              |                                |
| 1. A                                                                                      | Health Economics               |
| 2. B                                                                                      | Human Resource Management      |
| <b>NON MAJOR ELECTIVE COURSE (NMEC-1&amp;2)</b><br><b>(FOR OTHER DEPARTMENT STUDENTS)</b> |                                |
| 1                                                                                         | Introduction To Indian Economy |
| 2                                                                                         | Globalization                  |

## SUMMARY OF CURRICULUM STRUCTURE OF PG PROGRAMMES–ARTS

| Sl. No. | Types of the Courses                     | No. of Courses | Total Credits | Marks       |
|---------|------------------------------------------|----------------|---------------|-------------|
| 1.      | Core Courses                             | 12             | 48            | 1200        |
| 2.      | Discipline Centric Elective Course       | 4              | 16            | 400         |
| 3.      | Generic Elective Course                  | 3              | 9             | 300         |
| 4.      | Entrepreneurship/Industry Based Course @ | 1              | 3             | 100         |
| 5.      | Summer Internship/ Industrial Activity @ | 1              | 2             | 100         |
| 6.      | Project@                                 | 1              | 5             | 100         |
| 7.      | Non-Major Elective Courses               | 2              | 4             | 200         |
| 8.      | Skill Enhancement Course                 | 2              | 4             | 200         |
|         | <b>Total</b>                             | <b>26</b>      | <b>91</b>     | <b>2600</b> |
|         | Value Added Courses*                     | 2*             | 4*            | 200*        |

| *           | The value added courses credit will not be included in the total CGPA. These courses are extra - credit courses. Instruction hours for these courses is 30 hours                                                                                                                                                                                                                                                                                                                                                                                                                  |             |       |        |    |      |    |       |     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|--------|----|------|----|-------|-----|
| @           | <p>Summer Internship will be carried out during the summer vacation after the First year. Viva Voce will be conducted by the college and Marks shall be sent to the University and the same will be included in the 3<sup>rd</sup> semester Mark Statement.</p> <p><b>Summer Internship / Industrial Activity&amp; Project</b></p> <p><b>Scheme of Evaluation:</b></p> <table border="1" style="width: 100%;"> <tr> <th>Description</th><th>Marks</th></tr> <tr> <td>Report</td><td>80</td></tr> <tr> <td>Viva</td><td>20</td></tr> <tr> <td>Total</td><td>100</td></tr> </table> | Description | Marks | Report | 80 | Viva | 20 | Total | 100 |
| Description | Marks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |       |        |    |      |    |       |     |
| Report      | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |       |        |    |      |    |       |     |
| Viva        | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |       |        |    |      |    |       |     |
| Total       | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |       |        |    |      |    |       |     |

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|                   |                                    |                   |
|-------------------|------------------------------------|-------------------|
| <b>FIRST YEAR</b> | <b>CORE COURSE-I</b>               | <b>SEMESTER-I</b> |
|                   | <b>ADVANCED MICRO ECONOMICS -I</b> |                   |
| <b>CODE:</b>      | <b>(THEORY)</b>                    | <b>CREDITS:4</b>  |

### **OBJECTIVES:**

- To help the students know the fundamental theories of microeconomics and their applications.
- To study the benefits of Demand analysis and Production function.
- To analyse the price and output determination under the perfect competition and Monopoly.
- To study the market equilibrium under the monopolistic competition and oligopoly.
- To analyse the various theories of firm.
- To make students aware about the contemporary developments in Microeconomic Theory.

### **UNIT-I DEMAND ANALYSIS:**

Utility theory – Ordinal approach – Indifference curve (Income and Substitution Effects, Slutsky Theorem, Compensated demand curve) and their applications, Revealed Preference Theory, Revision of Demand theory by Hicks; Characteristics of Goods approach (Lancaster), Consumer's Choice Involving Risk (N-M hypothesis) – Friedman-Savage, Markowitz hypotheses; Indirect Utility Functions (duality theory); Inter-temporal consumption; Recent developments in Demand; Elementary theory of Price formation – Demand and Supply equilibrium; Cobweb Theorem; Lagged adjustment in Interrelated Markets.

### **UNIT-II THEORY OF PRODUCTION AND COSTS:**

Production function – Short period and Long period; Law of Variable Proportions and Returns to scale; Isoquants – Least Cost combination of Inputs; Returns to factors: Economies of Scale; Multi-product firm; Elasticity of substitution; Euler's theorem; Technical programme and production function; Cobb – Douglas and CES Production functions and their properties; Empirical work on production functions; Traditional and modern theories of costs – Empirical evidence; Derivation of cost functions from production functions; derived demand for factors.

### **UNIT-III PRICE AND OUTPUT DETERMINATION – PERFECT COMPETITION AND MONOPOLY:**

Marginal analysis as an approach to price and output determination: Perfect Competition – Short run and Long run Equilibrium of the firm and industry, Price and Output determination, supply curve; Monopoly – Short run and Long run equilibrium, Price Discrimination, Welfare aspects, Monopoly control and regulation.

### **UNIT-IV MONOPOLISTIC COMPETITION AND OLIGOPOLY MODELS:**

Monopolistic competition – General and Chamberlin approaches to equilibrium, Equilibrium of the firm and the group with Product differentiation and Selling costs, Excess capacity under Monopolistic and Imperfect Competition, Criticism of Monopolistic Competition; Oligopoly – Non-collusive (Cournot, Bertrand, Edgeworth, Chamberlin, kinked demand curve and Stackelberg's solution) and Collusive (Cartels and mergers, price leadership models); Price and Output determination under Monopsony and Bilateral monopoly; Workable competition – Structure, conduct and performance norms – Concept of Contestable Market.

## UNIT-V ALTERNATIVE THEORIES OF THE FIRM:

Critical evaluation of Marginal analysis; Baumol's Sales Revenue Maximization Model; Williamson's model of Managerial Discretion; Marris model of managerial enterprise, Full Cost pricing rule; Bain's Limit pricing theory and its recent developments including Sylos-Labini's model; Behavioural model of the firm; Game Theoretic models.

## UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):

Recent developments in Micro economic theory and practice

### REFERENCES:

1. Kreps, David M (1990) A Course in Microeconomic Theory, Princeton University Press, Princeton
2. Koutsoyiannis, A (1979), Modern Micro economics (2<sup>nd</sup> Edition) Macmillan Press, London.
3. Layard P.R.G and A.W. Walters (1978) Microeconomic Theory, McGraw Hill, New York
4. Sen A. (1999) Microeconomics: Theory and Applications, Oxford University Press, New Delhi
5. Stigler, G (1996), Theory of Price, (4<sup>th</sup> Edition), Prentice Hall of India, New Delhi
6. Varian, H. (2000) Micro economic Analysis, W.W. Norton, New York
7. Baumol, W.J. (1982) Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi
8. Hirshleifer, J. and A Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi
9. DaCosta, G.C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi
10. Salvatore, Domnick (1991), Micro Economic Theory, 3<sup>rd</sup> Edition, McGraw Hill, New Delhi

### COURSE OUTCOMES: (WITH MAPPING)

| CO No. | CO-Statements                                                                              | Cognitive Levels<br>(K-Levels) |
|--------|--------------------------------------------------------------------------------------------|--------------------------------|
|        |                                                                                            |                                |
| CO-1   | Learn Demand Analysis and theory of price formation.                                       | K1                             |
| CO-2   | Get introduced to the concepts of Production function, Theory of Production and Costs.     | K2                             |
| CO-3   | Understand Price and Output Determination under the perfect competition and monopoly.      | K3                             |
| CO-4   | Understand Monopolistic Competition and Oligopoly Model of price and output determination. | K4                             |
| CO-5   | Become familiarized to the different theories of the Firm.                                 | K5                             |

### Mapping of Cos with Pos & Ps os

| COs/POs | (POs) |     |     |     |     | (PSOs) |    |    |     |     |
|---------|-------|-----|-----|-----|-----|--------|----|----|-----|-----|
|         | 1     | 2   | 3   | 4   | 5   | 1      | 2  | 3  | 4   | 5   |
| CO1     | 3     | 3   | 2   | 3   | 2   | 3      | 3  | 2  | 2   | 2   |
| CO2     | 3     | 3   | 2   | 2   | 2   | 3      | 3  | 2  | 3   | 3   |
| CO3     | 3     | 1   | 2   | 3   | 2   | 2      | 3  | 2  | 2   | 2   |
| CO4     | 3     | 2   | 2   | 2   | 1   | 3      | 3  | 2  | 2   | 2   |
| CO5     | 3     | 3   | 3   | 3   | 2   | 3      | 3  | 2  | 2   | 3   |
| Total   | 15    | 12  | 11  | 13  | 11  | 14     | 15 | 10 | 11  | 12  |
| Average | 3     | 2.4 | 2.2 | 2.6 | 2.2 | 2.8    | 3  | 2  | 2.2 | 2.4 |

\*S. Strong (3)

\*M-Medium (2)

\*L -Low (1)

|                   |                                                   |                   |
|-------------------|---------------------------------------------------|-------------------|
| <b>FIRST YEAR</b> | <b>CORE COURSE-II<br/>MODERN MACROECONOMICS-I</b> | <b>SEMESTER-I</b> |
| <b>CODE:</b>      | <b>(THEORY)</b>                                   | <b>CREDITS:4</b>  |

### **OBJECTIVES:**

- Make the students understand the macro- economic concepts and the ir relevance to the economy.
- Give a comprehensive view of the the ories of consumption and investment.
- Present a new approach to the compare the Neo–Classical, Keynesian Synthesis and Post-Keynesian Syntheses.
- Provide a holistic understanding of the National Income Accounting in an economy.
- Elucidate the Neo–Classical, Keynesian Synthesis and Post-Keynesian Syntheses of Economic theory.
- Provide an overview of the contemporary developments in Macroeconomic Theory.

### **UNIT-I BASIC CONCEPTS:**

Macroeconomics –Meaning and Scope – Macro static and dynamics– Macro economic goals – National Income–Employment and Unemployment–Price–Inflation–GDP and GNP concepts and measurements – Aggregate Demand and Supply.

### **UNIT-II NATIONAL INCOME AND ACCOUNTS:**

Circular Flow of Income in Two, Three and Four – Sector Economy; Different forms of National Income Accounting –social accounting, Input – Output Accounting, Flow of funds Accounting and Balance of Payments Accounting.

### **UNIT-III CONSUMPTION FUNCTION:**

Keynes Psychological law of consumption–Implications of the law; Short-run and Long- run Consumption function; Empirical evidence on consumption function; Income–Consumption relationship – Absolute income, Relative income, Life cycle and Permanent Income Hypotheses

### **UNIT-IV INVESTMENT FUNCTION:**

Marginal efficiency of Capital and Investment – Long run and Short run; The Multiplier – Accelerator and Investment Behaviour –Impact of inflation; Influence of policy measure on investment – Empirical evidence.

### **UNIT- V: NEO – CLASSICAL, KEYNESIAN SYNTHESIS AND POST-KEYNESIAN SYNTHESSES:**

Neo – Classical and Keynesian views on interest; The IS – LM model; Slopes of IS and LM; Extension of IS-LM model with government sector; Relative effectiveness of monetary and fiscal policies; Extension of IS-LM models with Labour market and Flexible prices.

## UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):

Recent developments in Macro economic theory and practice

### REFERENCES:

1. Ackley, G(1978)Macro economics: Theory and Policy, Macmillan, NewYork
2. Blackhouse,R.andASalansi(Eds.)(2000),MacroeconomicsandtheRealWorld(2 Vols.), Oxford University Press, London
3. Branson,W.A.(1989) Macro economics Theory and Policy(3<sup>rd</sup>Edition), Harperand Row, New York
4. Bornbusch,R.andF.Stanley(1997),Macroeconomics,McGrawHill,Inc.,NewYork
5. Hall, R.E. and J. B. Taylor(1986) Macro economics W.W. Norton, NewYork
6. Heijdra, B.J. and V.P. Frederick (2001), Foundations of Modern Macroeconomics, Oxford University Press, New Delhi
7. Jha,R.(1991)ContemporaryMacroeconomicTheoryandPolicy,WileyEasternLtd., New Delhi.
8. Romer, D.L. (1996), Advanced Macroeconomics, McGraw Hill Company Ltd, New York
9. Scarfe,B.L.(1977) Cycles, Growth and Inflation, McGraw Hill, NewYork
10. Shapiro,E.(1996),MacroeconomicAnalysis,GalgotiaPublications,NewDelhi
11. Surrey,M.J.C.(Ed.)(1976),MacroeconomicTheories,OxfordUniversityPress,Oxford.

### COURSE OUTCOMES:(WITH MAPPING)

| CO No. | CO–Statements                                                                                            | Cognitive Levels<br>( K –Levels) |
|--------|----------------------------------------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to                                        |                                  |
| CO–1   | Understand the basic concepts of Macro economics.                                                        | K1                               |
| CO–2   | Illustrate the components of National Income Accounting.                                                 | K2                               |
| CO–3   | Explain the theories of Consumption function.                                                            | K3                               |
| CO–4   | Examine the determinants of Investment.                                                                  | K4                               |
| CO–5   | Analyze the simultaneous equilibrium in goods market and money market with the help of IS and LM curves. | K5                               |

### Mapping of Cos with Pos & PsoS

| COs/POs | (POs) |    |    |    |     | (PSOs) |    |    |     |     |
|---------|-------|----|----|----|-----|--------|----|----|-----|-----|
|         | 1     | 2  | 3  | 4  | 5   | 1      | 2  | 3  | 4   | 5   |
| CO1     | 3     | 3  | 3  | 3  | 2   | 3      | 2  | 3  | 2   | 2   |
| CO2     | 3     | 3  | 3  | 3  | 3   | 3      | 2  | 3  | 3   | 2   |
| CO3     | 3     | 3  | 3  | 3  | 3   | 3      | 2  | 3  | 3   | 3   |
| CO4     | 3     | 3  | 3  | 3  | 2   | 3      | 2  | 3  | 3   | 3   |
| CO5     | 3     | 3  | 3  | 3  | 2   | 3      | 2  | 3  | 3   | 3   |
| Total   | 15    | 15 | 15 | 15 | 12  | 15     | 10 | 15 | 14  | 13  |
| Average | 3     | 3  | 3  | 3  | 2.4 | 3      | 2  | 3  | 2.8 | 2.6 |

Strong (3)

\*M-Medium (2)

\*L -Low (1)

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|                   |                                               |                   |
|-------------------|-----------------------------------------------|-------------------|
| <b>FIRST YEAR</b> | <b>CORE COURSE-III<br/>MONETARY ECONOMICS</b> | <b>SEMESTER-I</b> |
| <b>CODE:</b>      | <b>(THEORY)</b>                               | <b>CREDITS:4</b>  |

### **OBJECTIVES:**

- To understand the concepts relating to Monetary Economics and their practical applicability.
- To inculcate the knowledge of the interaction of the Demand and Supply for Money in an economy.
- To provide a holistic understanding about the Theory of Inflation.
- To provide the students with an understanding of Financial Market.
- To make students able to understand the developments in monetary policy and its impact on the economy.
- To provide students an exposure to the recent developments in the theory and practice of Monetary Economics.

### **UNIT-I SUPPLY OF MONEY:**

Financial intermediation a mechanistic model of bank deposit determination; A Behavioural Model of Money Supply determination, a Demand Determined Money Supply Process—Inside and outside money (Gurley and Shaw) – RBI approach to Money Supply; High Powered money and Money Multiplier; Budget Deficits and Money Supply; Money Supply and Open Economy; Control of Money Supply—Instruments of credit control.

### **UNIT-II DEMAND FOR MONEY:**

Classical approach to demand for Money-Quantity theory approach, Fisher's equation, Cambridge quantity theory – Neutrality of money, Classical dichotomy –Keynes's Liquidity Preference Approach, Transaction, Precautionary and Speculative demand for money-aggregate demand for money, Derivation of LM curve

### **UNIT-III THE THEORY OF INFLATION:**

Classical, Keynesian and Monetarist approaches to inflation; Structuralist theory of inflation; Philips curve Analysis-Short run and Long run Philips curve; Samuelson and Solow – The Natural rate of Unemployment Hypothesis; Tobin's modified Philips curve, Adaptive expectations and Rational expectations; Policies to control inflation

### **UNIT-IV POST-KEYNESIAN AND DEMAND FOR MONEY:**

Post – Keynesian approaches to demand for Money-Patinkin and the Real Balance Effect, Approaches of Baumol and Tobin; Friedman and the modern quantity theory; Crisis in Keynesian economics and the revival of monetarism; Mundell –Fleming Model-Asset markets, expectations and exchange rates; Monetary approach to balance of payments

## UNIT-V FINANCIAL MARKET:

Nature and functions of financial market – Money market – Meaning, Characteristics and constituents, functions, structure and institutions of money market – Bankers – Weakness of Indian money market – Measures for improvement – Recent concepts and instruments of financial market – Capital Market – Sensex and Nifty – SEBI and its role

## UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):

Recent developments in the theory and practice of Monetary Economics.

## REFERENCES:

1. Ackley, G (1978) Macro economics: Theory and Policy, Macmillan, New York
2. Blackhouse, R. and A Salans (Eds.) (2000), Macroeconomics and the Real World (2 Vols.), Oxford University Press, London
3. Branson, W.A. (1989) Macroeconomics Theory and Policy (3<sup>rd</sup> Edition), Harper and Row, New York
4. Bornbusch, R. and F. Stanley (1997), Macro economics, Mc Graw Hill, Inc., New York
5. Hall, R.E. and J.B. Taylor (1986) Macro economics W.W. Norton, New York
6. Heijdra, B.J. and V.P. Frederick (2001), Foundations of Modern Macro economics, Oxford University Press, New Delhi
7. Jha, R. (1991) Contemporary Macroeconomic Theory and Policy, Wiley Eastern Ltd., New Delhi.
8. Romer, D.L. (1996), Advanced Macroeconomics, McGraw Hill Company Ltd, New York
9. Scarfe, B.L. (1977) Cycles, Growth and Inflation, McGraw Hill, New York
10. Shapiro, E. (1996), Macro economic Analysis, Galgotia Publications, New Delhi
11. Surrey, M.J.C. (Ed.) (1976), Macro-economic Theories, Oxford University Press, Oxford.

## COURSE OUTCOMES:

After the completion of the course the students will be able to realize the following outcomes.

- Understand the operation of Demand of Money
- Understand the operation of Supply of Money
- Explain the theory of inflation
- Analyze the Post-Keynesian theory for Demand for Money
- Understand the nature and way of operation of Financial Market
- Become cognizant of the contemporary developments in Monetary Economics

## COURSE OUTCOMES:(WITH MAPPING)

| CO No. | CO–Statements                                                     | Cognitive Levels<br>( K –Levels) |
|--------|-------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to |                                  |
| CO–1   | Understand the operation of Demand of Money                       | K1                               |
| CO–2   | Understand the operation of Supply of Money                       | K2                               |
| CO–3   | Explain the theory of inflation                                   | K3                               |
| CO–4   | Analyze the Post-Keynesian theory for Demand for Money            | K4                               |
| CO–5   | Understand the operation of Demand of Money                       | K5                               |

## Mapping of Cos with Pos & Ps oS

| COs/POs        | (POs)      |           |            |           |            | (PSOs)     |            |            |             |           |
|----------------|------------|-----------|------------|-----------|------------|------------|------------|------------|-------------|-----------|
|                | 1          | 2         | 3          | 4         | 5          | 1          | 2          | 3          | 4           | 5         |
| <b>CO1</b>     | 3          | 3         | 3          | 3         | 2          | 3          | 2          | 3          | 3           | 2         |
| <b>CO2</b>     | 3          | 3         | 2          | 3         | 3          | 2          | 3          | 3          | 2           | 2         |
| <b>CO3</b>     | 3          | 3         | 3          | 3         | 2          | 1          | 1          | 3          | 2           | 2         |
| <b>CO4</b>     | 2          | 3         | 3          | 3         | 3          | 2          | 2          | 2          | 2           | 2         |
| <b>CO5</b>     | 3          | 3         | 3          | 3         | 3          | 3          | 3          | 3          | 2           | 2         |
| <b>Total</b>   | <b>14</b>  | <b>15</b> | <b>14</b>  | <b>15</b> | <b>13</b>  | <b>11</b>  | <b>11</b>  | <b>14</b>  | <b>11</b>   | <b>10</b> |
| <b>Average</b> | <b>2.8</b> | <b>3</b>  | <b>2.8</b> | <b>3</b>  | <b>2.6</b> | <b>2.2</b> | <b>2.2</b> | <b>2.8</b> | <b>2.11</b> | <b>2</b>  |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                   |                                                                    |                    |
|-------------------|--------------------------------------------------------------------|--------------------|
| <b>FIRST YEAR</b> | <b>DISCIPLINE CENTRIC ELECTIVE COURSE-I<br/>POPULATION STUDIES</b> | <b>SEMESTER-I</b>  |
| <b>CODE</b>       | <b>THEORY</b>                                                      | <b>CREDITS : 4</b> |

### Course Objectives

- To understand the concepts of population change, age and sex, structure aging and trends in population in India and world.
- Assess the basic population theories: Malthusian theory from demographic theory and its applicability.
- Assess the population composition marital status educational, economic and religious composition, trends in aging and problems if elderly.
- Related theories of population economic theories in relevance to current population situation.

### Syllabus

#### UNIT-I

Definition, Nature and scope of population studies, Components of Population change. Population structure: Need for the study of Age and Sex structure, their determinants, population pyramids. Trends in size and growth of population of world, developed and developing Nations; Population Size, growth and age sex structure in India.

#### UNIT-II

Population composition in India: Marital Status, Educational, Economic and Religious composition

#### UNIT-III

Ageing: Concept, Trends in aged population in developed and developing countries with special reference to India; Problems of the elderly and their adjustment; Support systems for elderly

#### UNIT-IV

- a) Malthusian Theory: Its relevance and criticism,
- b) Demographic transition theory, stages and causal mechanism, applicability to developing countries.

#### UNIT-V

Becker's and Leibenstein's theories of fertility-Spencer's Biological Theory, Cultural Theories, Economic Theories

### Reference

1. Bhende, Asha A, and Kanitkar, Tara. 1993. Principles of Population Studies, Bombay: Himalaya, Publishing House.
2. United Nations, 1982. Population of India, Country Monograph, Series No.10, Bangkok.. Economic and Social Commission for Asia and the Pacific.
3. Bhatia, H.S. 1983. Aging and Society, Udaipur: The Arya's Book Centre Publishers
4. Krishnan, P and Mahadevan, K. 1991. Elderly Population Today: Policies, Problems and Perspectives, Delhi: B. R. Publishing House.
5. Mishra, B.D., 1980. An Introduction to the study of Population. Madras: South Asian Publishers

## Course Outcome

1. Identify basic demographic concepts and definitions in Population studies
2. Impart knowledge on Population trends in size and growth of population at regional, national and global level.
3. Discover the implications of different theories on past and present population components with special reference to Malthusian theory

## COURSE OUT COMES: (WITH MAPPING)

| CO No. | CO–Statements                                                                                                                         | Cognitive Levels (K – Levels) |
|--------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
|        | On successful completion of this course, students will be able to                                                                     |                               |
| CO–1   | Identify basic demographic concepts and definitions in Population studies                                                             | K1                            |
| CO–2   | Impart knowledge on Population trends in size and growth of population at regional, national and global level.                        | K2                            |
| CO–3   | Discover the implications of different theories on past and present population components with special reference to Malthusian theory | K3                            |
| CO–4   | Learn various theories given by population studies                                                                                    | K4                            |
| CO–5   | Explore the contemporary development policies of population studies                                                                   | K5                            |

## Mapping of Cos with Pos & PsoS

| COs/POs | (POs) |     |    |     |     | (PSOs) |     |     |     |     |
|---------|-------|-----|----|-----|-----|--------|-----|-----|-----|-----|
|         | 1     | 2   | 3  | 4   | 5   | 1      | 2   | 3   | 4   | 5   |
| CO1     | 3     | 3   | 3  | 2   | 2   | 3      | 2   | 2   | 2   | 3   |
| CO2     | 2     | 2   | 3  | 3   | 3   | 2      | 3   | 2   | 2   | 2   |
| CO3     | 3     | 3   | 3  | 3   | 2   | 3      | 1   | 2   | 2   | 2   |
| CO4     | 3     | 3   | 3  | 3   | 3   | 3      | 2   | 2   | 2   | 2   |
| CO5     | 3     | 3   | 3  | 3   | 2   | 3      | 3   | 3   | 3   | 2   |
| Total   | 14    | 14  | 15 | 14  | 12  | 11     | 11  | 11  | 11  | 11  |
| Average | 2.8   | 2.8 | 3  | 2.8 | 2.4 | 2.2    | 2.2 | 2.2 | 2.2 | 2.2 |

\*S. Strong (3)

\*M-Medium (2)

\*L -Low (1)

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|                   |                              |                   |
|-------------------|------------------------------|-------------------|
| <b>FIRST YEAR</b> | <b>DCEC1 URBAN ECONOMICS</b> | <b>SEMESTER-I</b> |
| <b>CODE</b>       | <b>THEORY</b>                | <b>CREDITS:2</b>  |

To equip with theory and measurement of urban economic growth and development, spatial structure of cities and urbanization.

1. The course outlines the issues of urban poverty and its impact on urbanization.

### **Unit I: Introduction**

Definition and Scope of Urban Economics - Sources of Urban Growth –International migration, Trends in growth of urban population in the world - Urban reclassification and physical expansion of urban boundaries –Urbanization and agglomeration economies – industrialization and services sector growth –Urbanization and urban economic growth – Urbanization and globalization.

### **Unit II: Economics of Urbanization**

The Process of urbanization: Nature and dimensions, factors initiating and perpetuating urbanization process - Characteristics of an economy passing through different stages of urbanization –Classification of urban areas by demographic, geographical and economic criteria- Process of sub-urbanization

### **Unit III: Theories of Urban Growth and spatial structure**

Christaller's Central Place Theory - The Human Ecological Approach to Urban Growth -Urban Size: Ratchet-Rank Size Rule - Migration and urban economic growth: Harris-Todaro Model – Concepts of City Structure - The Minimization of Costs of Friction Hypothesis -Location Equilibrium of an Urban Firm - The Concentric Zone Hypothesis - Urban Residential Land Use Models: Alonso, Muth, Siegel, Park Burgess.

### **Unit IV: Urbanization and Labour Market**

Urbanisation and Labour Market - Pull and Push Factors for Urbanisation in India - High Wages and Improved Infrastructure - Employment Opportunities and Educational facilities - Growth of formal and Informal economic activities - Labour Force Participation and Distribution of Workers

### **Unit V: Urban Problems and Urban Planning**

Over Population and congestion - Urban housing problem - Urban environment: Air, Water and Noise Pollution - Urban poverty and inequality - Urban Infrastructure: transport Water Supply, Sanitation and Solid waste management- Need for Urban Planning: Objectives and Techniques-

Emerging Planning Process-Comprehensive Development Plan–Master Plan–Jawaharlal Nehru National Urban Renewal Mission - Smart Cities

### Text books

1. Shukla, V.(1996) Urbanization and Economic Growth, Himalaya Publishers Pvt. Ltd (New Delhi).
2. Robert LBish and Hugh ON course (1975), Urban Economics and Policy Analysis, McGraw Hill Kogakusha Ltd (Tokyo).

### References

1. O'Sullivan (2012), Urban Economics, McGraw Hill Higher Education (Boston).
2. Edwin S. Mills. (1987). Handbook on Regional and Urban Economics, Volume 2: Urban Economics. North-Holland (Amsterdam).
3. Duranton, G., & Strange, W.C. (1986). *Handbook of regional and urban economics: applied urban economics* (Vol. 3). Elsevier.

### COURSE OUTCOMES:(WITH MAPPING)

| CO No. | CO–Statements                                                                           | Cognitive Levels<br>( K –Levels) |
|--------|-----------------------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to                       |                                  |
| CO–1   | understand scope of urban economics and urban economic growth                           | K1                               |
| CO–2   | Describe the process of urbanization and classification of urban areas                  | K2                               |
| CO–3   | Evaluate the various theories of urban growth and spatial structure                     | K3                               |
| CO–4   | Explain the urban Labour Market, Labour Force Participation and Distribution of Workers | K4                               |
| CO–5   | Familiarize the urban problems and planning process.                                    | K5                               |

### Mapping of Cos with Pos & PsoS

| COs/POs | (POs) |     |     |     |     | (PSOs) |    |    |     |     |
|---------|-------|-----|-----|-----|-----|--------|----|----|-----|-----|
|         | 1     | 2   | 3   | 4   | 5   | 1      | 2  | 3  | 4   | 5   |
| CO1     | 3     | 3   | 2   | 3   | 2   | 3      | 3  | 2  | 2   | 2   |
| CO2     | 3     | 3   | 2   | 2   | 2   | 3      | 3  | 2  | 3   | 3   |
| CO3     | 3     | 1   | 2   | 3   | 2   | 2      | 3  | 2  | 2   | 2   |
| CO4     | 3     | 2   | 2   | 2   | 1   | 3      | 3  | 2  | 2   | 2   |
| CO5     | 3     | 3   | 3   | 3   | 2   | 3      | 3  | 2  | 2   | 3   |
| Total   | 15    | 12  | 11  | 13  | 11  | 14     | 15 | 10 | 11  | 12  |
| Average | 3     | 2.4 | 2.2 | 2.6 | 2.2 | 2.8    | 3  | 2  | 2.2 | 2.4 |

Strong (3)

\*M-Medium (2)

\*L -Low (1)

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|                   |                                                       |                   |
|-------------------|-------------------------------------------------------|-------------------|
| <b>FIRST YEAR</b> | <b>GENERIC ELECTIVE COURSE-I<br/>LABOUR ECONOMICS</b> | <b>SEMESTER-I</b> |
| <b>CODE:</b>      | <b>THEORY</b>                                         | <b>CREDITS:3</b>  |

### **Course Objectives**

- To provide advanced understanding of labour economics and its relevance in shaping socio-economic development.
- To critically analyze labour problems, migration, and efficiency issues in India.
- To examine theories and practices of wages and their implications for equity, productivity, and working conditions.
- To study the evolution and present scenario of the trade union movement and its legislative framework.
- To evaluate industrial relations mechanisms, collective bargaining, arbitration, and worker participation in management.
- To assess social security policies, labour reforms, and the challenges posed by globalization.

### **UNIT I: INTRODUCTION TO LABOUR ECONOMICS**

Meaning, Scope, and Importance of Labour Economics - Labour Problems: Causes and Characteristics of Indian Labour - Labour Migration: Causes, Consequences, Types (Sectoral, Regional, National, International, Rural-Urban) - Efficiency of Labour in India

### **UNIT II: WAGES**

Concepts of Wages - Types: Real, Fair, Living Wages - Systems of Wage Payment - Equal Pay for Equal Work - Working Conditions, Occupational Hazards, Hours of Work

### **UNIT III: TRADE UNION MOVEMENT**

Since Independence and Present Scenario of the Trade Union Movement– AITUC – INTUC – HMS – UTUC – Association of Indian Trade Unions with International Trade Unions –Problems of Trade Unions – Essentials for success of a Trade Union - The Trade Union Act, 1926- Recent policies relating to Trade union act

### **UNIT IV INDUSTRIAL RELATION**

Need for Industrial Relation Machinery-Preventive and Curative methods-Collective Bargaining, Arbitration and Adjudications-industrial Democracy, the concept of Workers participation in management- Role of State in Industrial Relations.

### **UNIT V: SOCIAL SECURITY AND REFORMS**

Social Security- Concepts and evolution, Social assistance and insurance, Review and Appraisal of State Policies, Special Problems- Child labour, discrimination, bonded labour-Labour market Reforms- Exit Policy, safety requirements, National Commission on Labour, Globalisation and labour markets, mobility of labour.

## Suggested References

**Bhagoliwal, T.N.** – *Economics of Labour and Industrial Relations*

**Memoria, C.B.** – *Labour Problems and Social Welfare*

**Datt, R. & Sundaram, K.P.M.** – *Indian Economy*

**Papola, T.S.** – *Labour Market, Employment and Migration*

**Mishra, S.N.** – *Labour and Industrial Economics*

**International Labour Organization (ILO)** – Reports and Publications

**Venkata Ratnam, C.S.** – *Industrial Relations in India*

**Sharma, A.M.** – *Aspects of Labour Welfare and Social Security*

**Saxena, R.C.** – *Labour Problems and Social Welfare in India*

## Course Outcomes

By the end of the course, students will be able to:

- Interpret labour economics in terms of scope, importance, and policy relevance.
- Analyze causes and consequences of labour migration and evaluate efficiency of labour in India.
- Differentiate wage concepts and assess wage systems in relation to fairness and productivity.
- Critically examine trade unions, their challenges, and legislative frameworks including the Trade Union Act, 1926.
- Apply industrial relations theories to practical contexts including collective bargaining, arbitration, and adjudication.
- Evaluate social security reforms and address special labour problems such as child labour, bonded labour, and discrimination.

## COURSE OUTCOMES:(WITH MAPPING)

| CO No. | CO–Statements                                                                                                             | Cognitive Levels<br>( K –Levels) |
|--------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to                                                         |                                  |
| CO–1   | Interpret labour economics in terms of scope, importance, and policy relevance.                                           | K1                               |
| CO–2   | Analyze causes and consequences of labour migration and evaluate efficiency of labour in India.                           | K2                               |
| CO–3   | Differentiate wage concepts and assess wage systems in relation to fairness and productivity.                             | K3                               |
| CO–4   | Critically examine trade unions, their challenges, and legislative frameworks including the Trade Union Act, 1926.        | K4                               |
| CO–5   | Apply industrial relations theories to practical contexts including collective bargaining, arbitration, and adjudication. | K5                               |

### Mapping of Cos with Pos & Ps oS

| COs/POs        | (POs)     |           |           |           |            | (PSOs)    |           |           |            |            |
|----------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|------------|
|                | 1         | 2         | 3         | 4         | 5          | 1         | 2         | 3         | 4          | 5          |
| <b>CO1</b>     | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 2          | 2          |
| <b>CO2</b>     | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 2          |
| <b>CO3</b>     | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 3          |
| <b>CO4</b>     | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| <b>CO5</b>     | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| <b>Total</b>   | <b>15</b> | <b>15</b> | <b>15</b> | <b>15</b> | <b>12</b>  | <b>15</b> | <b>10</b> | <b>15</b> | <b>14</b>  | <b>13</b>  |
| <b>Average</b> | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>2.4</b> | <b>3</b>  | <b>2</b>  | <b>3</b>  | <b>2.8</b> | <b>2.6</b> |

**\*S Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                   |                                                                    |                   |
|-------------------|--------------------------------------------------------------------|-------------------|
| <b>FIRST YEAR</b> | <b>GENERIC ELECTIVE COURSE-I<br/>REGIONAL ECONOMIC DEVELOPMENT</b> | <b>SEMESTER-I</b> |
| <b>CODE:</b>      | <b>THEORY</b>                                                      | <b>CREDITS:3</b>  |

## OBJECTIVES

- **Understand regional economics:** Explore the meaning, scope, and importance of regional economics in development.
- **Analyze regional disparities:** Identify causes and consequences of uneven development across regions.
- **Study location theories:** Examine classical and modern theories of industrial location and regional development.
- **Evaluate balanced growth policies:** Understand strategies to reduce disparities and promote equitable growth.
- **Explore regional planning:** Learn about sectoral, spatial, and integrated planning approaches, with focus on India.
- **Assess contemporary issues:** Study urbanization, smart cities, SEZs, and regional trade agreements in the context of policy.
- **Examine stabilization and growth policies:** Understand regional aspects of macroeconomic stabilization and growth strategies.

## UNIT I: INTRODUCTION TO REGIONAL ECONOMICS

Meaning, Scope, and Importance of Regional Economics - Regional Disparities: Causes and Consequences - Concepts of Regional Development - Role of Regional Economics in Policy Formulation

## UNIT II: THEORIES OF LOCATION AND REGIONAL DEVELOPMENT

Von Thünen, Weber, Christaller, Lösch - Growth Pole Theory, Cumulative Causation, Core-Periphery Model - Dualistic models: Social dualism – Labour surplus model of Arthur Lewis - Migration and development: Harris-Todaro –Regional Input-output models - Paul Krugman's model of industrial location and development

## UNIT III: REGIONAL DISPARITIES AND BALANCED GROWTH

Measurement of Regional Disparities - Causes of Regional Imbalances in India - Policies for Balanced Regional Development - Role of Infrastructure, Investment, and Human Capital

## UNIT IV: REGIONAL PLANNING AND POLICIES

Meaning, Objectives, and Scope of Regional Planning - Types of Regional Planning: Sectoral, Spatial, Integrated - Regional Planning in India: Five-Year Plans, NITI Aayog Initiatives - Institutions for Regional Development - Contemporary Issues: Urbanization, Smart Cities, SEZs, and Regional Trade Agreements

## UNIT V: Regional Aspects of Stabilization and Growth Policy

Post-war Regional Cyclical Behaviour and Policy Measures for Stabilization, Theories to Explain Regional Differences in Growth, Fiscal Programmes, Tax and Transfer Programmes, Fiscal Responses of Power Level Governments, Regional Orientation to Policy Programmes and Central Responsibility.

### Text books

1. Capello Roberta. (2016). Regional Economics. Rout ledge (New York).
2. Temple, M. (1994). *Regional economics*. St. Martin's Press.

### References

1. Harry W Richardson (1973): Regional Growth Theory, Macmillan.
2. Harry W. Richardson. (1970). Elements of Regional Economics. Penguin Books (New York).
3. Harry W Richardson (1969): Regional Economics: Location theory, Urban structure and regional change, Weidenfeld & Nicolson (London)

### COURSE OUTCOMES:(WITH MAPPING)

| CO No. | CO-Statements                                                                                                                      | Cognitive Levels ( K –Levels) |
|--------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
|        | On successful completion of this course, students will be able to                                                                  |                               |
| CO-1   | <b>Differentiate regional vs national economics</b> and explain their policy relevance.                                            | K1                            |
| CO-2   | <b>Apply location theories</b> (Von Thünen, Weber, Christaller, Lösch, Krugman) to real-world industrial and regional development. | K2                            |
| CO-3   | <b>Measure regional disparities</b> using appropriate indicators and tools.                                                        | K3                            |
| CO-4   | <b>Critically evaluate growth pole and core-periphery models</b> in explaining uneven development.                                 | K4                            |
| CO-5   | <b>Assess policies for balanced growth</b> including infrastructure, investment, and human capital development.                    | K5                            |

### Mapping of Cos with Pos & PsoS

| COs/POs        | (POs)      |           |            |           |            | (PSOs)     |            |            |             |           |
|----------------|------------|-----------|------------|-----------|------------|------------|------------|------------|-------------|-----------|
|                | 1          | 2         | 3          | 4         | 5          | 1          | 2          | 3          | 4           | 5         |
| CO1            | 3          | 3         | 3          | 3         | 2          | 3          | 2          | 3          | 3           | 2         |
| CO2            | 3          | 3         | 2          | 3         | 3          | 2          | 3          | 3          | 2           | 2         |
| CO3            | 3          | 3         | 3          | 3         | 2          | 1          | 1          | 3          | 2           | 2         |
| CO4            | 2          | 3         | 3          | 3         | 3          | 2          | 2          | 2          | 2           | 2         |
| CO5            | 3          | 3         | 3          | 3         | 3          | 3          | 3          | 3          | 2           | 2         |
| <b>Total</b>   | <b>14</b>  | <b>15</b> | <b>14</b>  | <b>15</b> | <b>13</b>  | <b>11</b>  | <b>11</b>  | <b>14</b>  | <b>11</b>   | <b>10</b> |
| <b>Average</b> | <b>2.8</b> | <b>3</b>  | <b>2.8</b> | <b>3</b>  | <b>2.6</b> | <b>2.2</b> | <b>2.2</b> | <b>2.8</b> | <b>2.11</b> | <b>2</b>  |

\*S. Strong (3)

\*M-Medium (2)

\*L -Low (1)

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|                   |                                                                                                |                   |
|-------------------|------------------------------------------------------------------------------------------------|-------------------|
| <b>FIRST YEAR</b> | <b>SKILL ENHANCEMENT C O U R S E -I</b><br><b>COMPUTER APPLICATIONS IN</b><br><b>ECONOMICS</b> | <b>SEMESTER-I</b> |
| <b>CODE</b>       | <b>(THEORY ONLY)</b>                                                                           | <b>CREDITS:2</b>  |

### **OBJECTIVES:**

- To support students to understand the fundamentals of computers.
- To aid students to learn the application of modern technology in Economics.
- To study the working of various operating systems.
- To analyse the use of MS Office in the study of Economics.
- To study the benefits of World Wide Web in the study of Economics.
- To explore the recent developments related to Computer Applications in Economics.

### **UNIT-I FUNDAMENTALS OF COMPUTER:**

Basic concepts and components of a computer – CPU, Input – Output devices – Bit, Byte, Data storage, Retrieval, Hard disk – Computer networking and Resources sharing – Hardware & Software.

### **UNIT-II OPERATING SYSTEM:**

Disk Operating System, Windows & LINUX [Basic idea only] – Operating systems.

### **UNIT-III MSWORD & MSPOWERPOINT;**

Introduction: Overview, Basic terminology – Tool bars, Scrolling, Word processing, Formatting text and Document – Tabs and sorting – Working with graphics, templates – Creating a slide show – Opening and closing presentations.

### **UNIT-IV MSEXCEL AND SOFTWARE PACKAGES:**

Working with data – Managing Excel workbooks & worksheets – Formulas and functions – Formatting data – Creating charts – Uses of SPSS for univariate & multivariate analyses.

### **UNIT-V WORLD WIDE WEB:**

Internet basics – Search engines – Opening e-mail – Downloading text from internet – Uses of internet for business and commercial activities.

### **UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):**

Recent developments related to Computer Applications in Economics



## REFERENCES:

1. Sanders, D.H (1988) Computers Today, Mc Graw Hill (3<sup>rd</sup> Edition) New York
2. Sinha, (1992), Computer Fundamentals, BPB Publications, New Delhi.
3. Rajaraman V (1996), Fundamentals of Computers, (Prentice Hall of India, New Delhi)
4. Lipschultz M. Mand S. Lipschultz (1982) Theory and Problems and Data Processing, Schaum Outline Series, McGraw Hill, New Delhi.
5. Leon and Leon, Internet Basics.
6. Dhanasekaran K, Computer Application in Economics [2010] Vrinda Publications, New Delhi.

## COURSE OUTCOMES:(WITH MAPPING)

| CO No. | CO–Statements                                                              | Cognitive Levels<br>( K –Levels) |
|--------|----------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to          |                                  |
| CO–1   | Analyse the components of modern computer                                  | K1                               |
| CO–2   | Have an understanding of the application of operating systems in Economics | K2                               |
| CO–3   | Understand the use of MS office in Economic analysis                       | K3                               |
| CO–4   | Examine the various software packages related to Economics                 | K4                               |
| CO–5   | Understand the Application of internet in Economics                        | K5                               |

## Mapping of Cos with Pos & PsoS

| COs/POs | (POs) |     |    |     |     | (PSOs) |     |     |     |     |
|---------|-------|-----|----|-----|-----|--------|-----|-----|-----|-----|
|         | 1     | 2   | 3  | 4   | 5   | 1      | 2   | 3   | 4   | 5   |
| CO1     | 3     | 3   | 3  | 2   | 2   | 3      | 2   | 2   | 2   | 3   |
| CO2     | 2     | 2   | 3  | 3   | 3   | 2      | 3   | 2   | 2   | 2   |
| CO3     | 3     | 3   | 3  | 3   | 2   | 3      | 1   | 2   | 2   | 2   |
| CO4     | 3     | 3   | 3  | 3   | 3   | 3      | 2   | 2   | 2   | 2   |
| CO5     | 3     | 3   | 3  | 3   | 2   | 3      | 3   | 3   | 3   | 2   |
| Total   | 14    | 14  | 15 | 14  | 12  | 11     | 11  | 11  | 11  | 11  |
| Average | 2.8   | 2.8 | 3  | 2.8 | 2.4 | 2.2    | 2.2 | 2.2 | 2.2 | 2.2 |

\*S. Strong (3)

\*M-Medium (2)

\*L -Low (1)

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|                   |                                                         |                   |
|-------------------|---------------------------------------------------------|-------------------|
| <b>FIRST YEAR</b> | <b>VALUADDED COURSE-I<br/>CALCULATION OF INCOME TAX</b> | <b>SEMESTER-I</b> |
| <b>CODE:</b>      | <b>(THEORY)</b>                                         | <b>CREDITS:2</b>  |

#### **OBJECTIVES:**

- To help students know the importance and scope of Income tax.
- To study the representation of Income tax in budgets.
- To study the calculation of personal income tax and tax for HUF.
- To make student able to calculate corporate tax in India.
- To make student aware about importance of filing tax and understanding e-filing.

#### **UNIT-I:**

Income Tax–Meaning–Importance–Scope

#### **UNIT-II:**

Income Tax in India–latest budget.

#### **UNIT-III:**

Income Tax Calculation–Personal Income & HUF.

#### **UNIT-IV:**

Income Tax Calculation–Corporate.

#### **UNIT-V:**

E-filing of Income Tax.

#### **UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):**

Existing methods for filing personal and corporate income tax

#### **REFERENCE:**

1. Manjunath CV and Mohammed Umair. Income Tax-I, Sky ward Publishers, Bangalore
2. Bhagwathi Prasad.(1996).Direct Taxes Law and Practice. Wishwa Prakashana.
3. Dinakar Pagare.(1991).Law and Practice of Income Tax Sultan Chand and sons.
4. Sanjeev Kumar.(2008).Systematic Approach to Indirect Taxes.Bharath Law House.
5. Gaur & Narang. Income Tax. Kalyani Publishers
6. Datey V.S (2009).Indirect Taxes Tax mann Publication.
7. Lal B.B. Income Tax, Central Sales Tax Law and Practice. Konark Publisher (P) Ltd.
8. Dinakar Pagare.(2002).Law and Practice of Income Tax Sultan Chand and sons.
9. Mehrotra and Dr. Goyal.(2006-07).26th edition. Direct Taxes Law and Practice, Sahitya Bhavan Publication.
10. Vinod K. Singhania (2014).51th edition. Direct Taxes Law and Practice. Taxmann publication.

## COURSE OUTCOMES:(WITH MAPPING)

| CO No. | CO–Statements                                                             | Cognitive Levels<br>( K –Levels) |
|--------|---------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to         |                                  |
| CO–1   | Get cognizant of the scope and importance of Income tax.                  | K1                               |
| CO–2   | Get introduced to the illustration of income tax in Budgets.              | K2                               |
| CO–3   | BecomefamiliarisedtothecalculationofpersonalincometaxandtaxforHUF.        | K3                               |
| CO–4   | Learn the calculation of corporate tax.                                   | K4                               |
| CO–5   | Developtheskillsforfilinge-modeofincometaxwithlatestslablimitinthebudget. | K5                               |

### Mapping of Cos with Pos&PsoS

| COs/POs | (POs) |     |     |     |     | (PSOs) |    |    |     |     |
|---------|-------|-----|-----|-----|-----|--------|----|----|-----|-----|
|         | 1     | 2   | 3   | 4   | 5   | 1      | 2  | 3  | 4   | 5   |
| CO1     | 3     | 3   | 2   | 3   | 2   | 3      | 3  | 2  | 2   | 2   |
| CO2     | 3     | 3   | 2   | 2   | 2   | 3      | 3  | 2  | 3   | 3   |
| CO3     | 3     | 1   | 2   | 3   | 2   | 2      | 3  | 2  | 2   | 2   |
| CO4     | 3     | 2   | 2   | 2   | 1   | 3      | 3  | 2  | 2   | 2   |
| CO5     | 3     | 3   | 3   | 3   | 2   | 3      | 3  | 2  | 2   | 3   |
| Total   | 15    | 12  | 11  | 13  | 11  | 14     | 15 | 10 | 11  | 12  |
| Average | 3     | 2.4 | 2.2 | 2.6 | 2.2 | 2.8    | 3  | 2  | 2.2 | 2.4 |

\*S. Strong (3)

\*M-Medium (2)

\*L -Low (1)

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|                   |                                                              |                    |
|-------------------|--------------------------------------------------------------|--------------------|
| <b>FIRST YEAR</b> | <b>CORE COURSE -IV</b><br><b>ADVANCED MICROECONOMICS -II</b> | <b>SEMESTER-II</b> |
| <b>CODE:</b>      | <b>(THEORY)</b>                                              | <b>CREDITS:4</b>   |

### **OBJECTIVES:**

- To make the students understand the fundamental theories of Microeconomics and their applications.
- To imbibe knowledge about the Welfare Economics.
- To make students understand the operation of an economy and its attainment of Equilibrium.
- To help the students acquire knowledge about economics of un certainty.
- To make students understand how a competitive firm operates under un certainty.
- To explore the recent developments in Micro economic theory and practice.

### **UNIT-I DISTRIBUTION:**

Neo-classical approach–Marginal productivity theory, Product exhaustion theorem, Elasticity of technical substitution, Technical progress and Factor shares: Theory of distribution in imperfect product and Factor markets; Macro theories of Distribution–Ricardo, Marx, Kalecki and Kaldor.

### **UNIT-II WELFARE ECONOMICS:**

Pigovian Welfare Economics: Pareto Optional Conditions; Value Judgement; Social welfare function; Compensation principle, Inability to obtain optimum welfare–Imperfections, Market failure, Decreasing costs, Uncertainty and Non-existent and Incomplete markets; Theory of Second Best–Arrow’s Impossibility Theorem; Rawl’s Theory of Justice - Equity – efficiency trade off.

### **UNIT-III GENERAL EQUILIBRIUM ANALYSIS:**

Partial and General Equilibrium - Walrasian Excess Demand and Input-output approaches to general equilibrium, Existence, Stability and Uniqueness of Equilibrium and general equilibrium, Coalitions and Monopolies; Production without consumption–One sector model, Homogeneous functions, Income distribution; Production without consumption – Two sector model, Relationship between relative commodity and factor prices (Stopler-Samuelson theorem), Relationship between output mix and real factor prices, Effect of changes in factor supply in closed economy (Rybczynski theorem), Production and Consumption– Contributions of Arrow and Debreu to General Equilibrium Analysis.

#### UNIT-IV ECONOMICS OF UNCERTAINTY:

Individual behaviour towards risk, Expected Utility and Certainty Equivalence approaches, Risk and risk aversion – Sensitivity analysis, Gambling and Insurance, The Economics of Insurance, Cost and Risk, Risk pooling and Risk spreading, Mean-variance analysis and Portfolio selection, Optional consumption under uncertainty.

#### UNIT-V COMPETITIVE FIRM UNDER UNCERTAINTY:

Factor demand under Price uncertainty, The economics of search – Different models, The Efficient Market Hypothesis, Stochastic Models of Inventory demand; Market with incomplete information, Search and Transaction costs, The Economics of Information.

#### UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):

Recent developments in Micro economic theory and practice

#### REFERENCES:

1. Kreps, David M (1990) A Course in Microeconomic Theory, Princeton University Press, Princeton
2. Koutsoyiannis, A (1979), Modern Microeconomics (2<sup>nd</sup> Edition) Macmillan Press, London.
3. Layard P.R. and A. W. Walters (1978) Micro economic Theory, Mc Graw Hill, New York
4. Sen A. (1999) Microeconomics: Theory and Applications, Oxford University Press, New Delhi
5. Stigler, G (1996), Theory of Price, (4<sup>th</sup> Edition), Prentice Hall of India, New Delhi
6. Varian, H. (2000) Micro economic Analysis, W.W. Norton, New York
7. Baumol, W.J. (1982) Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi
8. Hirshleifer, J. and A. Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi
9. Da Costa, G.C. (1980), Production, Prices and Distribution, Tata McGraw Hill, New Delhi
10. Salvatore, Dominick (1991), Micro Economic Theory, 3<sup>rd</sup> Edition, McGraw Hill, New Delhi

#### COURSE OUTCOMES:(WITH MAPPING)

| CO No. | CO-Statements                                                                                                                               | Cognitive Levels<br>(K –Levels) |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|        | On successful completion of this course, students will be able to                                                                           |                                 |
| CO-1   | Determine economics without use of marginal condition.                                                                                      | K1                              |
| CO-2   | Understand the intuition underlying the main welfare theorems both in general and partial equilibrium analysis.                             | K2                              |
| CO-3   | Define the outcomes and describe how they are assessed.                                                                                     | K3                              |
| CO-4   | Understand and explain expected utility and risk preference.                                                                                | K4                              |
| CO-5   | Apply knowledge of risk and insurance to explain how systematic risk makes risk pools difficult and destroys private markets for insurance. | K5                              |

### Mapping of Cos with Pos & PsoS

| COs/POs        | (POs)     |           |           |           |            | (PSOs)    |           |           |            |            |
|----------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|------------|
|                | 1         | 2         | 3         | 4         | 5          | 1         | 2         | 3         | 4          | 5          |
| <b>CO1</b>     | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 2          | 2          |
| <b>CO2</b>     | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 2          |
| <b>CO3</b>     | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 3          |
| <b>CO4</b>     | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| <b>CO5</b>     | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| <b>Total</b>   | <b>15</b> | <b>15</b> | <b>15</b> | <b>15</b> | <b>12</b>  | <b>15</b> | <b>10</b> | <b>15</b> | <b>14</b>  | <b>13</b>  |
| <b>Average</b> | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>2.4</b> | <b>3</b>  | <b>2</b>  | <b>3</b>  | <b>2.8</b> | <b>2.6</b> |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                   |                                                             |                    |
|-------------------|-------------------------------------------------------------|--------------------|
| <b>FIRST YEAR</b> | <b>CORE COURSE -V</b><br><b>MODERN MACRO ECONOMICS - II</b> | <b>SEMESTER-II</b> |
| <b>CODE:</b>      | <b>(THEORY)</b>                                             | <b>CREDITS:4</b>   |

### **OBJECTIVES:**

- To make the students to understand the macro economic concepts.
- To understand the relevance of Macro Economic policy to the economy.
- To understand and to examine how the macro economic concepts are used in policy framework.
- To help the students understand various equilibrium models.
- To make the students capable of analyzing Macro Economic Policy.
- To explore the recent developments in Macro economic theory and practice.

### **UNIT-I NEW CLASSICAL MACRO ECONOMICS:**

The New Classical Critique of Micro Foundations, Micro foundations of Macroeconomics – The New Classical Approach - Policy implications of New Classical Approach - Empirical evidence.

### **UNIT-II STABILIZATION POLICY – I:**

Lags in the effects of policy – Role of expectations–Uncertainty and economic policy –Rules versus discretion – Phillips curve and the aggregate supply curve– Expectations and Short run Phillips curves – Friedman – Phelps argument – Shifting Short-run Phillips curve – Tradeoff between Inflation and Employment – Natural rate of Unemployment.

### **UNIT-III STABILIZATION POLICY–II:**

Okun's law –Budget deficit and Inflation – Mechanics of Financing the Budget – Income policies – Monetarists and Keynesian models – Portfolio approach – Crowding out – Government budget constraint – Rational expectations and short run ineffectiveness of stabilization policy – Criticisms of the rational expectations hypothesis

### **UNIT-IV EQUILIBRIUM AND DISEQUILIBRIUM ANALYSIS:**

Walrasian general equilibrium models – Problem of consistency and Invalid dichotomy –Real balance effect – Assessment of the significance of real balance effect–Effective demand, Notional demand and Involuntary unemployment – Price and Quality flexibility – Source of non-instantaneous price adjustment – New Keynesianism and the Theory of Unemployment.

### **UNIT-V MACRO ECONOMICS IN THE OPEN ECONOMY:**

Application of Fiscal and Monetary policies in an open economy – Fiscal policy and Monetary policy with Fixed exchange rates and Flexible exchange rates–Global co-operation and Coordination in Macroeconomic policy – Internal and External Balances – Monetary approach to the Balance of Payment.

**UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):**

Recent developments in Macro economic theory and practice

**REFERENCES:**

1. Ackley, G (1978) Macro economics: Theory and Policy, Macmillan, New York
2. Blackhouse, R. and A Salansi (Eds.) (2000), Macroeconomics and the Real World (2 Vols.), Oxford University Press, London
3. Branson, W.A. (1989) Macroeconomics Theory and Policy (3<sup>rd</sup> Edition), Harper and Row, New York
4. Bornbusch, R. and F. Stanley (1997), Macroeconomics, McGraw Hill, Inc., New York
5. Hall, R.E. and J.B. Taylor (1986) Macro economics W.W. Norton, New York
6. Heijdra, B.J. and V.P. Frederick (2001), Foundations of Modern Macroeconomics, Oxford University Press, New Delhi
7. Jha, R. (1991) Contemporary Macroeconomic Theory and Policy, Wiley Eastern Ltd., New Delhi.
8. Leijonhufvud, A (1968) On Keynesian Economics of Keynes, OUP, Oxford
9. Romer, D.L. (1996), Advanced Macro economics, Mc Graw Hill Company Ltd, New York
10. Scarfe, B.L. (1977) Cycles, Growth and Inflation, Mc Graw Hill, New York
11. Shapiro, E. (1996), Macroeconomic Analysis, Galgotia Publications, New Delhi
12. Surrey, M.J.C. (Ed.) (1976), Macro economic Theories, Oxford University Press, Oxford.

**COURSE OUTCOMES: (WITH MAPPING)**

| CO No. | CO-Statements                                                                                                                                 | Cognitive Levels (K-Levels) |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
|        | On successful completion of this course, students will be able to                                                                             |                             |
| CO-1   | Understand how economic indicators like GDP are used to assess the state of the economy.                                                      | K1                          |
| CO-2   | Understand that economic growth is a recent relatively phenomenon, and identify key institutional factors that contribute to economic growth. | K2                          |
| CO-3   | Explain and graphically illustrate market equilibrium, surplus and shortage.                                                                  | K3                          |
| CO-4   | Understand about the macro equilibrium in the income-expenditure model.                                                                       | K4                          |
| CO-5   | Become aware of policy implications of Keynesian economics.                                                                                   | K5                          |

**Mapping of Cos with Pos & Psos**

| COs/POs | (POs) |     |    |     |    | (PSOs) |     |     |     |    |
|---------|-------|-----|----|-----|----|--------|-----|-----|-----|----|
|         | 1     | 2   | 3  | 4   | 5  | 1      | 2   | 3   | 4   | 5  |
| CO1     | 3     | 3   | 3  | 3   | 3  | 3      | 2   | 3   | 2   | 2  |
| CO2     | 3     | 3   | 3  | 3   | 3  | 3      | 3   | 2   | 3   | 2  |
| CO3     | 3     | 2   | 3  | 3   | 3  | 3      | 2   | 3   | 3   | 2  |
| CO4     | 3     | 3   | 3  | 3   | 3  | 3      | 2   | 2   | 3   | 2  |
| CO5     | 3     | 3   | 3  | 2   | 3  | 3      | 2   | 2   | 2   | 2  |
| Total   | 15    | 14  | 15 | 14  | 15 | 15     | 11  | 12  | 13  | 10 |
| Average | 3     | 2.8 | 3  | 2.8 | 3  | 3      | 2.2 | 2.4 | 2.6 | 2  |

\*S. Strong (3)

\*M-Medium (2)

\*L-Low (1)

|                   |                                                             |                    |
|-------------------|-------------------------------------------------------------|--------------------|
| <b>FIRST YEAR</b> | <b>CORE COURSE-VI<br/>MATHEMATICAL METHODS IN ECONOMICS</b> | <b>SEMESTER-II</b> |
| <b>CODE:</b>      | <b>(THEORY)</b>                                             | <b>CREDITS: 4</b>  |

### **OBJECTIVES:**

- Study the basic concepts of mathematics and their applications in economics.
- Gain sound knowledge in the rules and uses of differentiation, functions and derivatives in economics.
- Understand the concept, rules and applications of integration.
- Study the concept of matrix, determinants, Cramer's rule and input output analysis.
- Understand the basic concepts, formulation and applications of linear programming.
- Understand the Contemporary Developments in Mathematical Methods for Economic Analysis.

### **UNIT-I TERMINOLOGY, CONCEPTS AND TOOLS:**

Addition, subtraction, multiplication and division of fractions and decimals – Constants, variables, parameters, intercepts Coefficients – Functions – inverse, general and specific functions – Equations – Applications – Demand and supply functions – Cost and revenue functions – Consumption function – IS & LM functions – Multivariable functions – Market equilibria.

### **UNIT-II DIFFERENTIAL CALCULUS:**

Rules of differentiation – slopes – linear and Non-linear functions – Partial derivatives – higher order derivatives – Young's Theorem – Constrained & unconstrained optimization – Lagrangian Multiplier – Interpretation – Use of derivatives in economics – Maximization, minimization, elasticities - Utility function – Production function – Revenue, cost and profit functions (simple problems)

### **UNIT-III INTEGRATION:**

Concept-Simple rules of integration-Application to Consumer's surplus & Producer's Surplus-Costs & revenues

### **UNIT-IV MATRIX AND DETERMINANTS:**

Matrices and Determinants: Rules and applications – Cramer's Rule-Input-Output analysis: Uses.

### **UNIT-V LINEAR PROGRAMMING:**

Basic Concepts - Formulation of LP problem-Feasible, Basic and Optimal solution – Graphic and Simplex method (Concept only) – Duality Problem – Applications of LP technique.

### **UNIT- VI CURRENT CONTOURS (For Continuous Internal Assessment Only) :**

Contemporary Developments in Mathematical Methods for Economic Analysis

**REFERENCES:**

1. Allen, R.G.D. (1974) Mathematical Analysis of 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 of Economists, Prentice Hall of India, New Delhi
4. Baumol, W.J. (1984) Economic Theory and Operations Analysis, Prentice Hall. Englewood Cliffs, New Jersey
5. Monga, G.S. (1972), Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi
6. Salvatore Dominick (1992) Mathematics for Economists, Schaum Series

**COURSE OUTCOMES:(WITH MAPPING)**

| CO No. | CO-Statements                                                                                                                                 | Cognitive Levels<br>(K-Levels) |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
|        | On successful completion of this course, students will be able to                                                                             |                                |
| CO-1   | Find the applications of mathematics in Demand and supply functions, Cost and Revenue functions, and Consumption and Multivariable functions. | K1                             |
| CO-2   | Explain the use of Derivatives in Economics.                                                                                                  | K2                             |
| CO-3   | Identify the use of integration in calculating Producer surplus, Consumer surplus, Cost and Revenue.                                          | K3                             |
| CO-4   | Examine the matrix operation and the use of Cramer                                                                                            | K4                             |
| CO-5   | Explain the applications of Linear Programming techniques.                                                                                    | K5                             |

**Mapping of Cos with Pos & PsoS**

| COs/POs | (POs) |     |     |     |     | (PSOs) |    |    |     |     |
|---------|-------|-----|-----|-----|-----|--------|----|----|-----|-----|
|         | 1     | 2   | 3   | 4   | 5   | 1      | 2  | 3  | 4   | 5   |
| CO1     | 3     | 3   | 2   | 3   | 2   | 3      | 3  | 2  | 2   | 2   |
| CO2     | 3     | 3   | 2   | 2   | 2   | 3      | 3  | 2  | 3   | 3   |
| CO3     | 3     | 1   | 2   | 3   | 2   | 2      | 3  | 2  | 2   | 2   |
| CO4     | 3     | 2   | 2   | 2   | 1   | 3      | 3  | 2  | 2   | 2   |
| CO5     | 3     | 3   | 3   | 3   | 2   | 3      | 3  | 2  | 2   | 3   |
| Total   | 15    | 12  | 11  | 13  | 11  | 14     | 15 | 10 | 11  | 12  |
| Average | 3     | 2.4 | 2.2 | 2.6 | 2.2 | 2.8    | 3  | 2  | 2.2 | 2.4 |

**\*S. Strong (3)****\*M-Medium (2)****\*L -Low (1)**

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|                   |                                              |                    |
|-------------------|----------------------------------------------|--------------------|
| <b>FIRST YEAR</b> | <b>DISCIPLINE CENTRIC ELECTIVE COURSE-II</b> | <b>SEMESTER-II</b> |
| <b>CODE:</b>      | <b>SOCIALECONOMICS</b>                       |                    |
|                   | <b>(THEORY)</b>                              | <b>CREDITS: 4</b>  |

## OBJECTIVES

- To understand the importance of Ethical Values.
- To equip the students with social responsibilities

### Unit 1: Introduction

Social Ethics – Definition - Ethical Model: Golden Rule Model and Kantian Model-Ethical Decision-making, Ethical Dilemmas in Organization, Corporate Governance- Types of Ethical Issues - Theft - Bribery and Corruption - Exploitation of Employees – Discipline - Whistle Blowing.

### Unit2: Workplace and Professional Ethics

Ethical Issues in Workplace-Types - Accountability-Employee Favoritism-Bad Leadership Behavior-Gender Ethics- Sexual Harassment and Discrimination.

### Unit3: Social Responsibility of Business

SocialResponsibilityofBusinesstowardsShareholders,Employees,Customers,Dealers, Community & Government – Social Audit Social Responsibility of Business – Shareholders-Employees - Customers-Community and Government - Corporate Social ResponsibilityInitiatives-Dimensions-EthicsofEnvironmentProtection&PollutionControl. **Unit 4: Social Inclusion**

Meaning of SocialInclusionandExclusion–DimensionsofSocialInclusion-GenderInclusion and Equality

### Unit5: Opportunities for Disabled

MainstreamingDisability-ProvisionofEmploymentOpportunitiesfordisabled–Indian Government Schemes – Ministry of Social Justices and Empowerment

### Textbooks:

1. Jenny Teichman (1996) Social Ethics A Student's Guide Wiley Blackwell
2. John S.Feinburg and PaulD.Feinburg (2010) Ethics for a Brave New World, Crossway.

## References

1. Denis Collins and Patricia Kanashiro ( 2017) Business Ethics: Best Practices for Designing and Managing Ethical Organizations SAGE Publications, Inc; Third edition
2. William H. Shaw (2016) Business Ethics :A textbook with Cases Cengage Learning
3. Govindarajan M., Senthilkumar M.S. Natarajan (2013)Professional Ethics and Human Values, PHI

## COURSE OUTCOMES: (WITH MAPPING)

| CO No. | CO–Statements                                                          | Cognitive Levels<br>( K –Levels) |
|--------|------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to      |                                  |
| CO–1   | Understand the importance of Ethics and outlining the various types of | K1                               |
| CO–2   | Ethical Issues in an organization                                      | K2                               |
| CO–3   | Categories the ethical issues in the workplace                         | K3                               |
| CO–4   | Evaluate the need for Corporate Social Responsibility                  | K4                               |
| CO–5   | Design Policies for Socialinclusion                                    | K5                               |

## Mapping of Cos with Pos & PsoS

| COs/POs        | (POs)     |           |           |           |            | (PSOs)    |           |           |            |            |
|----------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|------------|
|                | 1         | 2         | 3         | 4         | 5          | 1         | 2         | 3         | 4          | 5          |
| CO1            | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 2          | 2          |
| CO2            | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 2          |
| CO3            | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 3          |
| CO4            | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| CO5            | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| <b>Total</b>   | <b>15</b> | <b>15</b> | <b>15</b> | <b>15</b> | <b>12</b>  | <b>15</b> | <b>10</b> | <b>15</b> | <b>14</b>  | <b>13</b>  |
| <b>Average</b> | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>2.4</b> | <b>3</b>  | <b>2</b>  | <b>3</b>  | <b>2.8</b> | <b>2.6</b> |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                             |                                              |                    |
|-----------------------------|----------------------------------------------|--------------------|
| <b>FIRST YEAR</b>           | <b>DISCIPLINE CENTRIC ELECTIVE COURSE--I</b> | <b>SEMESTER-II</b> |
| <b>CODE:</b>                | <b>(THEORY)</b>                              | <b>CREDITS: 4</b>  |
| <b>INDUSTRIAL ECONOMICS</b> |                                              |                    |

#### **OBJECTIVES:**

- To understand the concepts of industrial economics
- To Assess the basic Theory of firm and pricing
- To understand the market structure .
- To know the industrial location and issues in industrial

#### **Unit-I**

Scope of industrial Economics. Organization of industry. Changing forms of industrial organization. Process of industrialization: Rationale, objectives, strategies and policies. Employment implications of industrialization. Appropriate industrial technology for LDCs. Industrialization and economic development. Patterns and phases of industrial growth and changes in industrial structure. Environment pollution on (its types, sources and effects), Public goods and bads, unmarketed goods, externalities. Resource depletion, problem of social cost.

#### **Unit-II**

Theory of firm and pricing. Objectives of the firm: profit and non-profit maximizing models of the firm. Basic theory of limit pricing; Marginal cost versus full cost pricing; Allocation of costs in case of joint products; Welfare implications of monopoly pricing. Investment decision; conventional and modern approaches; risk, uncertainty and investment decision. Economic Evaluation of Environmental Resources Measuring environmental damage (Valuation Methodologies). Irreversibility and the optimal use of natural environments (irreversibility in economic processes, irreversible Decisions and exhaustible resources, irreversible investment and project evaluation, determining the discount rate, inter-generational transfers determining the discount rate, inter-generational transfers and uncertainty). Divergence between social cost and private and uncertainty.

#### **Unit-III**

Market structure, conduct and performance and interrelations among them. Industrial concentration: concepts and measurement; Extent, causes and likely effects of concentration. Analysis of diversification, Vertical integration and mergers in industry. Extent of monopoly and concentration in India; Public policy towards industrial concentration and monopoly power in India. Environmental Management Models: Environmental control under uncertainty. Economics of pollution control. Economics of renewable resource harvesting (Optimal policies of fisheries, optimal rotating forest). Efficient allocation of renewable resources through time.

#### **Unit-IV**

Industrial location: Theories and factors affecting location; infrastructure for industrialization; Regional growth of industry in India. Tools of public policy. Indian policy for backward areas. Industrial finance in India. Role of term leading institutions in industrial development of India. Indian capital market. Environmental costs of economic growth. Problems of rural and urban environmental planning. Resource management to fulfil environmental, social and economic objectives. Dilemma in environmental planning (poverty Vs. Environmental quality, social aspects, legal aspects, financial aspects).

## Unit–V

Issues in Indian industry: Phases of industrial growth and changes in industrial structure India. Public sector rationale and organization; Public sector pricing policies. The question of efficiency in the context of special constraints; Overall performance of public sector in India. The concept of joint-sector in India. The problems of industrial sickness; Capacity utilization. Foreign collaborations; Multinationals in Indian joint ventures a board. There centliberalization trends. Large versus small scale industry debate in India. Policies for Environmental Planning, Role of voluntary organizations. People"s participation in environmental management, Resource conservation (conserving soils, protecting forests, materials substitution, product life extension. Recycling materials conservation.

## SUGGESTED READINGS

- Ahluwalia, I.J. (1980). Industrial Growth in India. Oxford University Press, Delhi.
- Andrews, P. and T. Wilson, Eds. (1951). Studies in the Price Mechanism, Oxford University Press, London.
- Bagchi, A. and M. Banerjee, eds. (1979). Change and Choice in Indian Industry. Bagchi Publications Calcutta.
- Bain, Joe (1967). Industrial Organization, 2e, John Wiley, New York.
- Barthwal, R. (1984). Industrial Economics, 2e, Wiley Eastern Ltd., New Delhi.
- Bhagwati J. and P. Desai (1972). India: Planning for Industrialization. Oxford University Press, London.
- Brahmananda, P. R. & V. R. Panchmukhi (Eds.), (1987). The Development Process of Indian Economy. Himalaya Publishing House, Bombay.
- Bryce D. Marray (1960). Industrial development. A Guide for Accelerating Economic Growth, McGraw Hill Book Company, New York.
- Clarkson, K.W. and R. Miller (1985). Industrial organization, Theory Evidence and Public Policy, McGraw-Hill, Kogakusha, Tokyo.
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- Sbain ,Joe (1967).Industrial Organization,2e,John Wiley, New York.
- Scharer ,F.M.(1971).Industrial Market Structure and Economic Performance, Chicago University Press, Chicago.

#### **COURSE OUTCOMES:(WITH MAPPING)**

| CO No. | CO–Statements                                                                                                             | Cognitive Levels<br>( K –Levels) |
|--------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to                                                         |                                  |
| CO–1   | have the knowledge of different theories of international trade and their applications.                                   | K1                               |
| CO–2   | to know about impact of dynamic factors on international trade.                                                           | K2                               |
| CO–3   | have the knowledge of various policies related to international trade besides, role of international trade organizations. | K3                               |
| CO–4   | attain the knowledge of balance of payment and determination of exchange rates.                                           | K4                               |
| CO–5   | have the knowledge of capital requirements of developing countries both in short and long run.                            | K5                               |

#### **Mapping of Cos with Pos & PsoS**

| COs/POs        | (POs)      |           |            |           |            | (PSOs)     |            |            |             |           |
|----------------|------------|-----------|------------|-----------|------------|------------|------------|------------|-------------|-----------|
|                | 1          | 2         | 3          | 4         | 5          | 1          | 2          | 3          | 4           | 5         |
| CO1            | 3          | 3         | 3          | 3         | 2          | 3          | 2          | 3          | 3           | 2         |
| CO2            | 3          | 3         | 2          | 3         | 3          | 2          | 3          | 3          | 2           | 2         |
| CO3            | 3          | 3         | 3          | 3         | 2          | 1          | 1          | 3          | 2           | 2         |
| CO4            | 2          | 3         | 3          | 3         | 3          | 2          | 2          | 2          | 2           | 2         |
| CO5            | 3          | 3         | 3          | 3         | 3          | 3          | 3          | 3          | 2           | 2         |
| <b>Total</b>   | <b>14</b>  | <b>15</b> | <b>14</b>  | <b>15</b> | <b>13</b>  | <b>11</b>  | <b>11</b>  | <b>14</b>  | <b>11</b>   | <b>10</b> |
| <b>Average</b> | <b>2.8</b> | <b>3</b>  | <b>2.8</b> | <b>3</b>  | <b>2.6</b> | <b>2.2</b> | <b>2.2</b> | <b>2.8</b> | <b>2.11</b> | <b>2</b>  |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                   |                                                            |                    |
|-------------------|------------------------------------------------------------|--------------------|
| <b>FIRST YEAR</b> | <b>GENERIC ELECTIVE COURSE-II<br/>MANAGERIAL ECONOMICS</b> | <b>SEMESTER-II</b> |
| <b>CODE:</b>      | <b>(THEORY)</b>                                            | <b>CREDITS: 3</b>  |

### Course Objectives

- To provide advanced knowledge of **managerial economics** as a discipline integrating economic theory with business practice.
- To develop analytical skills for applying **microeconomic principles** to managerial decision-making.
- To examine **demand analysis**, elasticity, and forecasting techniques for business efficiency.
- To evaluate **pricing policies** and strategies across different market structures and product life cycles.
- To understand **capital budgeting** techniques and profit planning for long-term investment decisions.
- To assess the influence of **macroeconomic environment** on managerial decisions in a globalized economy.

### UNIT I: INTRODUCTION TO MANAGERIAL ECONOMICS

Meaning, Nature, and Scope of Managerial Economics - Role of Managerial Economics in Decision-Making - Objectives of the Firm and Theories of Firm Behavior - Relationship with Other Disciplines - Techniques or Methods of Managerial Economics

### UNIT II: DEMAND ANALYSIS AND FORECASTING

Demand Concepts and Determinants - Elasticity of Demand: Price, Income, Cross Elasticity - Demand Forecasting Methods and Applications - Consumer Behavior and Utility Analysis

### UNIT III: PRICING POLICIES AND STRATEGIES

Pricing Policies: Meaning, Objectives and influencing Factors - Pricing Strategies - Pricing for New Product: Skimming Pricing and Penetrating Pricing - Multiple Products - Price and Cost Relationship - Inter Relation of Demand For Multi-product - Competitive Differences - Pricing over the Life Cycle of a Product - Cyclical Pricing - Price Control: Methods of Price Control.

### UNIT IV: CAPITAL BUDGETING

Capital Budgeting: Meaning, Importance, Steps involved and Forms of Capital Budgeting - Techniques: Payback and Accounting Rate of Return (Concepts, Merits and Demerits only) - Profit Policy - Profit Planning and Forecasting.

### UNIT V: MACRO ECONOMIC ENVIRONMENT AND BUSINESS DECISIONS

National Income Concepts and Measurement - Inflation, Unemployment, and Business Cycles - Monetary and Fiscal Policy Implications for Business - Globalization and International Trade Impact on Managerial Decisions

## Suggested References

1. **P.L. Mehta** – *Managerial Economics: Analysis, Problems and Cases*
2. **D.N. Dwivedi** – *Managerial Economics*
3. **H.L. Ahuja** – *Managerial Economics*
4. **Varshney, R.L. & Maheshwari, K.L.** – *Managerial Economics*
5. **Paul Samuelson & William Nordhaus** – *Economics*
6. **N.G. Mankiw** – *Principles of Economics*
7. **Dominick Salvatore** – *Managerial Economics: Theory and Application*

## COURSE OUTCOMES: (WITH MAPPING)

| CO No. | CO–Statements                                                                                                       | Cognitive Levels<br>(K –Levels) |
|--------|---------------------------------------------------------------------------------------------------------------------|---------------------------------|
|        | On successful completion of this course, students will be able to                                                   |                                 |
| CO–1   | <b>Interpret managerial economics</b> in terms of scope, importance, and relevance to business strategy.            | <b>K1</b>                       |
| CO–2   | <b>Apply demand forecasting</b> methods to managerial decision-making.                                              | <b>K2</b>                       |
| CO–3   | <b>Analyze elasticity</b> and consumer behavior for pricing and marketing decisions.                                | <b>K3</b>                       |
| CO–4   | <b>Evaluate pricing strategies</b> including skimming, penetration, cyclical pricing, and price control mechanisms. | <b>K4</b>                       |
| CO–5   | <b>Use capital budgeting techniques</b> for investment appraisal and profit planning.                               | <b>K5</b>                       |

## Mapping of Cos with Pos & PsoS

| COs/POs        | (POs)      |            |           |            |            | (PSOs)     |            |            |            |            |
|----------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|
|                | 1          | 2          | 3         | 4          | 5          | 1          | 2          | 3          | 4          | 5          |
| <b>CO1</b>     | 3          | 3          | 3         | 2          | 2          | 3          | 2          | 2          | 2          | 3          |
| <b>CO2</b>     | 2          | 2          | 3         | 3          | 3          | 2          | 3          | 2          | 2          | 2          |
| <b>CO3</b>     | 3          | 3          | 3         | 3          | 2          | 3          | 1          | 2          | 2          | 2          |
| <b>CO4</b>     | 3          | 3          | 3         | 3          | 3          | 3          | 2          | 2          | 2          | 2          |
| <b>CO5</b>     | 3          | 3          | 3         | 3          | 2          | 3          | 3          | 3          | 3          | 2          |
| <b>Total</b>   | <b>14</b>  | <b>14</b>  | <b>15</b> | <b>14</b>  | <b>12</b>  | <b>11</b>  | <b>11</b>  | <b>11</b>  | <b>11</b>  | <b>11</b>  |
| <b>Average</b> | <b>2.8</b> | <b>2.8</b> | <b>3</b>  | <b>2.8</b> | <b>2.4</b> | <b>2.2</b> | <b>2.2</b> | <b>2.2</b> | <b>2.2</b> | <b>2.2</b> |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                   |                                                         |                    |
|-------------------|---------------------------------------------------------|--------------------|
| <b>FIRST YEAR</b> | <b>GENERIC ELECTIVE COURSE-II<br/>WELFARE ECONOMICS</b> | <b>SEMESTER-II</b> |
| <b>CODE:</b>      | <b>(THEORY)</b>                                         | <b>CREDITS: 3</b>  |

## OBJECTIVES

- **Understand welfare economics:** Grasp the meaning, scope, and foundational concepts of welfare economics.
- **Analyze Pareto optimality:** Learn the conditions under which resources are allocated efficiently.
- **Evaluate new welfare approaches:** Study compensation criteria and their limitations.
- **Explore social choice theories:** Examine Arrow's theorem, Sen's capability approach, and Rawls' justice theory.
- **Identify market failures:** Understand causes of inefficiency and the role of government interventions.

## UNIT I: INTRODUCTION TO WELFARE ECONOMICS

Welfare Economics : Meaning - Concepts: Individual and Social Welfare- Value Judgments- Preferences and Utility - Utility function: Properties - Interpersonal comparisons of utility: degrees of interpersonal comparability. –Social Welfare Function: –Bentham's Utilitarianism- Pigouvian Welfare Economics

## UNIT II: PARETO OPTIMALITY CONDITIONS

Pareto-Optimality Criterion -Definition-Marginal Conditions of Pareto Optimum – Perfect Competition and Pareto Optimality- Exceptions - Theory of Second Best

## UNIT III : NEW WELFARE ECONOMICS

New Welfare Economics – Kaldor- Hicks Compensation Criterion – Utility Possibility Curve - Shortcomings – Scitovsky Paradox – Scitovsky's Double Criterion of Welfare– Little's Criterion.

## UNIT IV: THEORIES OF SOCIAL CHOICE

Utility Possibility Curve and Frontier Grand Utility Possibility Curve- Iso Welfare Curves- Arrow's Impossibility Theorem –Amartya Sen and Capability Theorem – Rawls Theory of Social Justice

## UNIT IV: MARKET FAILURES AND WELFARE POLICIES

Market Failures: Externalities, Public Goods, Information Asymmetry- Role of Government in Correcting Market Failures - Social Security and Redistribution Policies - Poverty, Inequality, and Welfare Measures

## Text Books

1. Verma K.N ( 2012 ) Microeconomic Theory , Vishal Publishing House
2. Per –Olov Johansson (2009) An introduction to Modern Welfare Economics, Cambridge University Press

## References

1. Arrow, Kenneth J (1963) Social Choice and Individual Values, Cowles Foundation Monograph 12, 2nd ed. Yale University
2. Bossert, Walter and Kotaro Suzumura (2010) Consistency, Choice and Rationality, Harvard University Press: Cambridge MA
3. Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford.

## COURSE OUT COMES: (WITH MAPPING)

| CO No. | CO–Statements                                                                                                  | Cognitive Levels<br>( K –Levels) |
|--------|----------------------------------------------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to                                              |                                  |
| CO–1   | <b>Differentiate individual vs social welfare</b> and explain the role of value judgments.                     | K1                               |
| CO–2   | <b>Apply Pareto optimality</b> to assess efficiency in competitive markets.                                    | K2                               |
| CO–3   | <b>Critically evaluate Kaldor-Hicks</b> and Scitovsky’s double criterion for welfare improvements.             | K3                               |
| CO–4   | <b>Interpret social choice theories</b> including Arrow’s impossibility theorem and Sen’s capability approach. | K4                               |
| CO–5   | <b>Assess government policies</b> in addressing externalities, public goods, and inequality.                   | K5                               |

## Mapping of Cos with Pos & PsoS

| COs/POs | (POs) |     |    |     |    | (PSOs) |     |     |     |    |
|---------|-------|-----|----|-----|----|--------|-----|-----|-----|----|
|         | 1     | 2   | 3  | 4   | 5  | 1      | 2   | 3   | 4   | 5  |
| CO1     | 3     | 3   | 3  | 3   | 3  | 3      | 2   | 3   | 2   | 2  |
| CO2     | 3     | 3   | 3  | 3   | 3  | 3      | 3   | 2   | 3   | 2  |
| CO3     | 3     | 2   | 3  | 3   | 3  | 3      | 2   | 3   | 3   | 2  |
| CO4     | 3     | 3   | 3  | 3   | 3  | 3      | 2   | 2   | 3   | 2  |
| CO5     | 3     | 3   | 3  | 2   | 3  | 3      | 2   | 2   | 2   | 2  |
| Total   | 15    | 14  | 15 | 14  | 15 | 15     | 11  | 12  | 13  | 10 |
| Average | 3     | 2.8 | 3  | 2.8 | 3  | 3      | 2.2 | 2.4 | 2.6 | 2  |

\*S. Strong (3)

\*M-Medium (2)

\*L -Low (1)

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|                   |                                                                                   |                    |
|-------------------|-----------------------------------------------------------------------------------|--------------------|
| <b>FIRST YEAR</b> | <b>SKILL ENHANCEMENT COURSE-II<br/>PERSONALITY AND SOFT SKILL<br/>DEVELOPMENT</b> | <b>SEMESTER-II</b> |
| <b>CODE:</b>      | <b>(THEORY)</b>                                                                   | <b>CREDITS: 2</b>  |

## **OBJECTIVES**

- To Develop communicative competence among the Students.
- To enhance the learner's soft skills by giving adequate exposure and sub skills.
- To enable learners to put the life skills into practice with confidence.

### **UNIT -I Introduction to Personality Development**

The concept of personality - Dimensions of personality – Theories of Freud & Erickson- Significance of personality development. The concept of success and failure: What is success? - Hurdles in achieving success - Overcoming hurdles - Factors responsible for success – What is failure - Causes of failure.

### **UNIT- II Attitude & Motivation**

Attitude - Concept - Significance - Factors affecting attitudes - Positive attitude – Advantages – Negative attitude- Disadvantages - Ways to develop positive attitude - Differences between personalities having positive and negative attitude. Concept of motivation - Significance – Internal and external motives - Importance of self- motivation- Factors leading to de-motivation

### **UNIT- III Self-esteem**

Term self-esteem - Symptoms - Advantages - Do's and Don'ts to develop positive self-esteem – Low self-esteem - Symptoms - Personality having low self-esteem - Positive and negative self-esteem. Interpersonal Relationships – Defining the difference between aggressive, submissive and assertive behaviours – Lateral thinking.

### **UNIT -IV Other Aspects of Personality Development**

Body language - Problem-solving - Conflict and Stress Management - Decision-making skills - Leadership and qualities of a successful leader – Character building -Team-work – Time management - Work ethics –Good manners and etiquette.

### **UNIT -V Employability Quotient**

Resume building- The art of participating in Group Discussion – Facing the Personal (HR & Technical) Interview -Frequently Asked Questions - SWOT analysis - Psychometric Analysis - Mock Interview Sessions.

### **Text Books:**

1. Hurlock, E.B (2006). Personality Development, 28th Reprint. New Delhi: Tata McGraw Hill.
2. Stephen P. Robbins and Timothy A. Judge(2014), *Organizational Behavior 16th Edition*: Prentice Hall.

**Reference Books:**

1. Andrews, Sudhir. How to Succeed at Interviews. 21st (rep.) New Delhi. Tata McGraw-Hill 1988.
2. Heller, Robert. Effective leadership. Essential Manager series. Dk Publishing, 2002
3. Hindle, Tim. Reducing Stress. Essential Manager series. Dk Publishing, 2003
4. Lucas, Stephen. Art of Public Speaking. New Delhi. Tata - Mc-Graw Hill. 2001
5. Mile, D.J Power of positive thinking. Delhi. Rohan Book Company, (2004).
6. Pravesh Kumar. All about Self- Motivation. New Delhi. Goodwill Publishing House. 2005.
7. Smith, B . Body Language. Delhi: Rohan Book Company. 2004

**COURSE OUTCOMES:(WITH MAPPING)**

| CO No. | CO–Statements                                                                   | Cognitive Levels<br>( K –Levels) |
|--------|---------------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to               |                                  |
| CO–1   | Develop listening, speaking, reading and writing skills in English              | K1                               |
| CO–2   | Enhance soft skills and engage in a range of communicative tasks and activities | K2                               |
| CO–3   | Comprehend a text and identify specific and global information                  | K3                               |
| CO–4   | Promote communicative ability in both spoken and written form of the language   | K4                               |
| CO–5   | Develop interpersonal skills to maintain human relationship                     | K5                               |

**Mapping of Cos with Pos & PsoS**

| COs/POs | (POs) |     |     |     |     | (PSOs) |    |    |     |     |
|---------|-------|-----|-----|-----|-----|--------|----|----|-----|-----|
|         | 1     | 2   | 3   | 4   | 5   | 1      | 2  | 3  | 4   | 5   |
| CO1     | 3     | 3   | 2   | 3   | 2   | 3      | 3  | 2  | 2   | 2   |
| CO2     | 3     | 3   | 2   | 2   | 2   | 3      | 3  | 2  | 3   | 3   |
| CO3     | 3     | 1   | 2   | 3   | 2   | 2      | 3  | 2  | 2   | 2   |
| CO4     | 3     | 2   | 2   | 2   | 1   | 3      | 3  | 2  | 2   | 2   |
| CO5     | 3     | 3   | 3   | 3   | 2   | 3      | 3  | 2  | 2   | 3   |
| Total   | 15    | 12  | 11  | 13  | 11  | 14     | 15 | 10 | 11  | 12  |
| Average | 3     | 2.4 | 2.2 | 2.6 | 2.2 | 2.8    | 3  | 2  | 2.2 | 2.4 |

**\*S. Strong (3)****\*M-Medium (2)****\*L -Low (1)**

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|                   |                                                                             |                    |
|-------------------|-----------------------------------------------------------------------------|--------------------|
| <b>FIRST YEAR</b> | <b>NON MAJOR ELECTIVE COURSE-I</b><br><b>INTRODUCTION TO INDIAN ECONOMY</b> | <b>SEMESTER-II</b> |
| <b>CODE:</b>      | <b>(THEORY)</b>                                                             | <b>CREDITS: 2</b>  |

### **OBJECTIVES:**

- To help the students know the various natural and human resources.
- To familiarize the feature of Agricultural, Industrial and Service sector of India.
- To analyze the problem of poverty in India and the various government schemes for eradication of poverty.
- To study the role of planning in the development to Indian economy.
- To help students know the typical feature of Globalization and India's foreign trade policies.

### **UNIT-I NATURAL RESOURCES AND HUMAN RESOURCES:**

Natural Resources – meaning and importance – forest resources – energy resources – mineral resources – water resources – use patterns of natural resources – environmental degradation policies on management of environmental resources Demography- size, growth and occupation composition of the population – density and distribution – demographic dividend - national population policy – human capital – quality of health and education – Human Development Index – National Skill Development Corporation.

### **UNIT-II AGRICULTURAL, INDUSTRIAL AND SERVICE SECTORS:**

Nature and importance of agriculture – factors influencing agricultural development – agricultural production and productivity – new agricultural policy – green revolution – issues in food security – farmers suicide – role of governments for agricultural sector development. Industrial development under Five Year Plans – New industrial policy – position of public sector enterprises – labour market reform – Make in India Programme – infrastructure and economic development - transport: railways, roads, shipping and airways – energy – power – role of service sector in economic development – banking – insurance – telecommunications – IT Industry – ITES.

### **UNIT-III POVERTY AND INEQUALITY:**

Poverty – its meaning – V M Dandekar & Nilakanta Rath, Suresh Tendulkar and Rangarajan methodology for poverty estimation – poverty alleviation programmes since 1970s – MGNREGP (Mahatma Gandhi National Rural Employment Guarantee Programme) - Food Security Act – PDS – ICDS - PURA (Vision 2020).

### **UNIT-IV PLANNING AND POLICY ENVIRONMENT:**

Planning in India – objectives – strategies – achievements and failures - Eleventh and Twelfth Five Year Plans - objectives, allocation and target – NITI [National Institution for Transforming India] Aayog – Structure and functions – Plan performance to tackle poverty, inequality and unemployment – New economic reforms – Liberalization, Privatization and Globalization; rationale behind economic reforms – Macro Economic policies – fiscal and monetary.

## **UNIT-V GLOBALIZATION AND TRADE:**

Directions and composition of foreign trade – balance of trade and payments–current account deficit–India's foreign trade policy–WTO–features and assessment– globalization – features and problems – sectoral contribution trade – import substitution and export promotion – Foreign Direct Investment (FDI) and MNCs.

## **UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):**

Current developments in various sectors of Indian economy

### **REFERENCE:**

1. Agarwal, A.N. (2004) Indian Economy, Wishwa Prakashan, New Delhi
2. Ahluwalia, I.J. and I.M.D. Little (Eds.) (1999), India's Economic Reforms and Development (Essays in honour of Manmohan Singh), Oxford University Press, New Delhi.
3. Alagh, Y.K. (1995), Indian Development Planning and Policy, Vikas, New Delhi.
4. Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
5. Bawa, R.S. and P.S. Raikhy (Ed.) (1997), Structural Changes in India Economy, Guru Nanak Dev University Press, Amritsar.
6. Brahmananda, P.R. and V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy : Inter-State Perspectives, Bookwell, Delhi.
7. Chakravarty, S. (1987), Development Planning: The Indian Experience, Oxford University Press, New Delhi.
8. Dantwala, M.L. (1996), Dilemmas of Growth : The Indian Experience, Saga Publications, New Delhi.
9. Datt Ruddan and K.P.M. Sundaram (2001), Indian Economy, S. Chand & Co., New Delhi.
10. Dhar, P. K. (2002) Indian Economy - its growing dimensions, Kalyani Publishers, New Delhi
11. Dhingra, I.C., (2012) The Indian Economy: Environment and Policy, 16th, Sultan Chand & Sons, New Delhi
12. Dreze, Jean and Amartya Kumar Sen (1999), India : Economic Development and Social Opportunity, OUP, New Delhi.
13. Government of India, Economic Survey, (Annual), Ministry of Finance, New Delhi.
14. Jalan, B. (1992), The Indian Economy– Problems and Prospects, Viking, New Delhi.
15. Kindleberger, C.P. (1977), Economic Development, 3e, McGraw Hill, New York.
16. Jhingan, M.L., (2010) The Economics of Development and Planning, Vikas Publishing House PVT Ltd., New Delhi.
17. Kindleberger, C.P. (1977), Economic Development, 3e, McGraw Hill, New York.
18. Meier, G.M. (1995), Leading Issues in Economic Development, 6e, Oxford University Press, New Delhi.
19. Mishra, S.K. and V.K. Puri, (2010) Economics of Development and Planning, Himalaya Publishing House, New Delhi.
20. Pantwala, S. (1987), Dilemmas of Growth: Indian Experience, Sage Publications, New Delhi.
21. Parkh, K.S. (1999), India Development Report (Annual), Oxford University Press, New Delhi.
22. Reserve Bank of India, Report of Currency and Finance, (Annual).
23. Todaro, M.P, Economic Development, Wesley Longman, New Delhi 7<sup>th</sup> edition, 2000.
24. Uma Kapila, Indian Economy: Performance and Policies
25. Uma Kapila, Indian Economy since Independence

**COURSE OUTCOMES:(WITH MAPPING)**

| CO No. | CO–Statements                                                                                | Cognitive Levels (K – Levels) |
|--------|----------------------------------------------------------------------------------------------|-------------------------------|
|        | On successful completion of this course, students will be able to                            |                               |
| CO–1   | Understand various natural resources and human resources.                                    | K1                            |
| CO–2   | Evaluate the Policies and Performance of Agriculture, Industry and Service sectors of India. | K2                            |
| CO–3   | Gain As per spective on key issues related to Poverty and Inequality existing in India.      | K3                            |
| CO–4   | Understand the role of planning in the development of Indian economy.                        | K4                            |
| CO–5   | Make a ware about the concept of Globalization and its impact on Indian economy.             | K5                            |

**Mapping of Cos with Pos & PsoS**

| COs/POs        | (POs)     |           |           |           |            | (PSOs)    |           |           |            |            |
|----------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|------------|
|                | 1         | 2         | 3         | 4         | 5          | 1         | 2         | 3         | 4          | 5          |
| CO1            | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 2          | 2          |
| CO2            | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 2          |
| CO3            | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 3          |
| CO4            | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| CO5            | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| <b>Total</b>   | <b>15</b> | <b>15</b> | <b>15</b> | <b>15</b> | <b>12</b>  | <b>15</b> | <b>10</b> | <b>15</b> | <b>14</b>  | <b>13</b>  |
| <b>Average</b> | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>2.4</b> | <b>3</b>  | <b>2</b>  | <b>3</b>  | <b>2.8</b> | <b>2.6</b> |

**\*S. Strong (3)****\*M-Medium (2)****\*L -Low (1)**

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|                    |                                                         |                     |
|--------------------|---------------------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>CORECOURSE-VII<br/>RESEARCH METHODS IN ECONOMICS</b> | <b>SEMESTER-III</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                                         | <b>CREDITS: 4</b>   |

### **OBJECTIVES:**

- To identify and discuss the role and importance of research in social sciences.
- To develop skills in qualitative and quantitative data analysis and presentation.
- To develop advanced critical thinking skills.
- To impart the formulation and testing of hypothesis based on the nature of research.
- To demonstrate enhanced research report writing skills.
- To explore the contemporary developments in Research Methodology.

### **UNIT-I BASIC CONCEPTS OF RESEARCH:**

Science –its meaning and characteristics – The meaning of ‘research’ – Specific features of research in Social Sciences as opposed to Physical and Natural Sciences – Objectivity in research Sources of bias – Good evidence and true evidence – Basic categories in scientific method –Facts –Concepts – Causality – Uncertainty - Probability – Dialectical and Historical Materialism.

### **UNIT-II RESEARCHMETHODS:**

Methods of Research – Falsification and verification criteria (Karl Popper) –Paradigm Shift (Kuhn) – Deductive and inductive Reasoning –Steps of Scientific Method – Historical Method – Case study – Scaling Techniques – Sample surveys – Various sampling methods – Importance of proper sampling design.

### **UNIT-III STAGESIN RESEARCH:**

Steps in Research - Formulation of a Research problem – Guiding principles in the choice of a research topic – Role of Review of Literature – Formulation of Research Design –Model building – Hypothesis: concept, definition, formulation and testing

### **UNIT-IV SOURCES AND METHODS OF DATA COLLECTION:**

Secondary data – some important sources: NSSO, CSO, Economic Survey, Season & Crop Report, Agricultural Census, Livestock Census, Annual survey of Industries, RBI Reports, WDR, HDR, IDR; PrimaryData collection–Tools –observation, schedule, questionnaire, projective techniques– Principles underlying construction of a questionnaire – Preparation of master table – Data processing – Analytical Tables.

### **UNIT-V REPORT WRITING**

Report writing – Structure and General format – Style – Language punctuation, grammar, symbols – Use of foot notes, references –citations – Presentation of tables, diagrams, charts and maps – Bibliography.

**UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):**

Contemporary developments in Research Methodology

**REFERENCES:**

1. Ghose, B.N. Scientific Method and Social Research, New Delhi, Sterling Publishers, 1982
2. Goode, W.J. & Hatt, P.K. Methods in Social Research, New York, Mc Graw Hill, 1952
3. Kate Turabina, Manual of style for writing dissertations, thesis and reports, University of Chicago Press, Chicago
4. Myrdal, G. Objectivity in Social Research
5. C.T. Kurien (Ed.) A Guide to Research in Economics (Sangam Publishers)
6. Wilson Gee, Social Science Research Methods (N.Y. Appleton Century Croft 1950)
7. Pauline V, Young, Scientific Social Surveys and Research
8. Parson, C.J., Thesis and Project Work
9. Karl Popper, The Logic of Scientific Discovery, (Lond, Hutchinson, 1934)
10. T.S. Kuhn, The Structure of Scientific Revolutions, (Chicago 1962)

**COURSE OUT COMES:(WITH MAPPING)**

| CO No. | CO-Statements                                                                                  | Cognitive Levels<br>(K-Levels) |
|--------|------------------------------------------------------------------------------------------------|--------------------------------|
|        | On successful completion of this course, students will be able to                              |                                |
| CO-1   | Identify the appropriate methods to choose in research.                                        | K1                             |
| CO-2   | Summarize the different methods and various tools used in data collection.                     | K2                             |
| CO-3   | Apply writing of report for an educational project                                             | K3                             |
| CO-4   | Analyse the concept of variables and hypothesis, their nature importance and types             | K4                             |
| CO-5   | Explain the term population sample and describe the steps involved in the process of sampling. | K5                             |

**Mapping of Cos with Pos & PsoS**

| COs/POs        | (POs)      |           |            |           |            | (PSOs)     |            |            |             |           |
|----------------|------------|-----------|------------|-----------|------------|------------|------------|------------|-------------|-----------|
|                | 1          | 2         | 3          | 4         | 5          | 1          | 2          | 3          | 4           | 5         |
| CO1            | 3          | 3         | 3          | 3         | 2          | 3          | 2          | 3          | 3           | 2         |
| CO2            | 3          | 3         | 2          | 3         | 3          | 2          | 3          | 3          | 2           | 2         |
| CO3            | 3          | 3         | 3          | 3         | 2          | 1          | 1          | 3          | 2           | 2         |
| CO4            | 2          | 3         | 3          | 3         | 3          | 2          | 2          | 2          | 2           | 2         |
| CO5            | 3          | 3         | 3          | 3         | 3          | 3          | 3          | 3          | 2           | 2         |
| <b>Total</b>   | <b>14</b>  | <b>15</b> | <b>14</b>  | <b>15</b> | <b>13</b>  | <b>11</b>  | <b>11</b>  | <b>14</b>  | <b>11</b>   | <b>10</b> |
| <b>Average</b> | <b>2.8</b> | <b>3</b>  | <b>2.8</b> | <b>3</b>  | <b>2.6</b> | <b>2.2</b> | <b>2.2</b> | <b>2.8</b> | <b>2.11</b> | <b>2</b>  |

**\*S. Strong (3)****\*M-Medium (2)****\*L -Low (1)**

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|                    |                                                |                     |
|--------------------|------------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>CORE COURSE - VIII<br/>PUBLIC ECONOMICS</b> | <b>SEMESTER-III</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                                | <b>CREDITS: 4</b>   |

#### **OBJECTIVES:**

- To help the students understand the introduction in public finance.
- To learn about the public expenditure.
- To acquire knowledge about public revenue.
- To enable students carryout public debt.
- To help the students understand the budget.

#### **Unit I– Introduction:**

Meaning and definition - scope and subject matter of public finance – Functions of a state – private and public finance – Principle of Maximum Social Advantage.

#### **Unit II- Public Expenditure**

Meaning and definition – public and private expenditure – classification of public expenditure - canons of public expenditure – causes for the growth of public expenditure – Effects of public expenditure - Control of public expenditure in India.

#### **Unit III-Public Revenue**

Meaning, definition and sources of public revenue – classification of public revenue – canons of taxation – types of taxes – characteristics of a good tax system – objectives of tax in India – Taxable capacity – Shifting and incidence of taxation – Effects of taxation - VAT

#### **Unit IV –Public Debt**

Meaning of public debt – causes of public debt – classification of public debt – objectives of public debt – burden of public debt – Redemption of public debt – Effects of public debt –debt management - public debt in India.

#### **Unit V-Budget**

Meaning of budget – characteristics of a good budget – principles of budgeting – functions of a budget – types of budget – Budgetary procedure in India – Zero based budgeting – Finance Commissions and their functions – recommendation of last two finance commissions – Fiscal Policy

#### **Book for Reference**

1. Public Finance –B.P.Tyagi
2. Public Finance–Theory and Practice–S.K.Singh
3. Public Finance –Otto Eckstein

## COURSE OUTCOMES:(WITH MAPPING)

| CO No. | CO–Statements                                                     | Cognitive Levels<br>( K –Levels) |
|--------|-------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to |                                  |
| CO–1   | Help the students understand the introduction in public finance.  | K1                               |
| CO–2   | Learn about the public expenditure.                               | K2                               |
| CO–3   | Acquire knowledge about public revenue.                           | K3                               |
| CO–4   | Enable students carry out public debt.                            | K4                               |
| CO–5   | Help the students understand the budget.                          | K5                               |

## Mapping of Cos with Pos&PsoS

| COs/POs        | (POs)      |            |           |            |            | (PSOs)     |            |            |            |            |
|----------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|
|                | 1          | 2          | 3         | 4          | 5          | 1          | 2          | 3          | 4          | 5          |
| CO1            | 3          | 3          | 3         | 2          | 2          | 3          | 2          | 2          | 2          | 3          |
| CO2            | 2          | 2          | 3         | 3          | 3          | 2          | 3          | 2          | 2          | 2          |
| CO3            | 3          | 3          | 3         | 3          | 2          | 3          | 1          | 2          | 2          | 2          |
| CO4            | 3          | 3          | 3         | 3          | 3          | 3          | 2          | 2          | 2          | 2          |
| CO5            | 3          | 3          | 3         | 3          | 2          | 3          | 3          | 3          | 3          | 2          |
| <b>Total</b>   | <b>14</b>  | <b>14</b>  | <b>15</b> | <b>14</b>  | <b>12</b>  | <b>11</b>  | <b>11</b>  | <b>11</b>  | <b>11</b>  | <b>11</b>  |
| <b>Average</b> | <b>2.8</b> | <b>2.8</b> | <b>3</b>  | <b>2.8</b> | <b>2.4</b> | <b>2.2</b> | <b>2.2</b> | <b>2.2</b> | <b>2.2</b> | <b>2.2</b> |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                    |                                          |                     |
|--------------------|------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>CORE COURSE - IX<br/>ECONOMETRICS</b> | <b>SEMESTER-III</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                          | <b>CREDITS:3</b>    |

### **OBJECTIVES:**

- To help the students deeper understanding of economic and econometric models and methodology.
- To study various problems in econometric research.
- To learn dummy variables and its applications in economic models.
- To understand the application of input-output analysis and linear programming in Economics.
- To make student know the game theory and its applications.

### **UNIT-I MODELS AND METHODOLOGY:**

Economic and Econometric Models – Econometric Methodology – Assumptions of OLS – Regression Analysis: Linear and Non-Linear– Properties of OLS Estimates – Coefficient of Determinants – R Square – Standard error – ANOVA – Testing of Significance of Parameters.

### **UNIT- II PROBLEMS IN ECONOMETRIC RESEARCH:**

Violations of Assumptions: Auto-Correlation, Multi collinear and Heteroscedasticity: Causes, Consequences and Remedies.

### **UNIT- III DUMMY VARIABLES:**

Dummy Variables: Dependent and Independent – Distributed Lag Model – Need, Limitations and Interpretation in Economics.

### **UNIT- IV INPUT-OUT PUT ANALYSIS AND LINEAR PROGRAMMING:**

Leontief's Open Static Model – Uses and Limitations – Linear Programming – Primal and Dual – Graphic Method – Applications in Economics.

### **UNIT- V GAME THEORY:**

Concept of a Game; Strategies – Single and Mixed – Value of a Game – Saddle Point Solution – Simple Applications, Transformation and Assignment Problems.

### **UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):**

Recent developments in Econometrics – Theory and Models

### **REFERENCES:**

1. Gujarati D (1998), 'Essentials of Econometrics', Irwin Mcgraw Hill, New York.
2. Koutsoyiannis A (1999), 'Theory of Econometrics', Palgrave Publishers Ltd, New York.
3. Maddala GS (2002), 'Introduction to Econometrics', John Wiley & Sons Ltd, New York.
4. Nachane D (2006), 'Econometrics', Oxford University Press, New Delhi
5. Robert S. Pindyck & Daniel L. Rubinfeld (1998), 'Econometric Models and Economic Forecasts', Irwin Mcgraw Hill, New York.

**COURSEOUTCOME:** After the completion of the course the students will be able to realize the following outcomes:

1. Get introduced to econometric models and methodology.
2. Understand various problems in econometric research.
3. Learn the application of dummy variables in econometric models.
4. Become familiarised to the applications of input-output analysis and linear programming in Economics.
5. To apply the econometric techniques using a theory.

**COURSE OUTCOMES:(WITH MAPPING)**

| CO No. | CO-Statements                                                                                         | Cognitive Levels ( K –Levels) |
|--------|-------------------------------------------------------------------------------------------------------|-------------------------------|
|        | On successful completion of this course, students will be able to                                     |                               |
| CO-1   | Get introduced to econometric models and methodology.                                                 | K1                            |
| CO-2   | Understand various problems in econometric research.                                                  | K2                            |
| CO-3   | Learn the application of dummy variables in econometric models.                                       | K3                            |
| CO-4   | Become familiarised to the applications of input-output analysis and linear programming in Economics. | K4                            |
| CO-5   | To apply the econometric techniques using a theory.                                                   | K5                            |

**Mapping of Cos with Pos&PsoS**

| COs/POs | (POs) |     |    |     |    | (PSOs) |     |     |     |    |
|---------|-------|-----|----|-----|----|--------|-----|-----|-----|----|
|         | 1     | 2   | 3  | 4   | 5  | 1      | 2   | 3   | 4   | 5  |
| CO1     | 3     | 3   | 3  | 3   | 3  | 3      | 2   | 3   | 2   | 2  |
| CO2     | 3     | 3   | 3  | 3   | 3  | 3      | 3   | 2   | 3   | 2  |
| CO3     | 3     | 2   | 3  | 3   | 3  | 3      | 2   | 3   | 3   | 2  |
| CO4     | 3     | 3   | 3  | 3   | 3  | 3      | 2   | 2   | 3   | 2  |
| CO5     | 3     | 3   | 3  | 2   | 3  | 3      | 2   | 2   | 2   | 2  |
| Total   | 15    | 14  | 15 | 14  | 15 | 15     | 11  | 12  | 13  | 10 |
| Average | 3     | 2.8 | 3  | 2.8 | 3  | 3      | 2.2 | 2.4 | 2.6 | 2  |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                    |                                              |                     |
|--------------------|----------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>DISCIPLINE CENTRIC ELECTIVECOURSE-III</b> | <b>SEMESTER-III</b> |
|                    | <b>GOODS AND SERVICE TAX</b>                 |                     |
| <b>CODE</b>        | <b>(THEORY)</b>                              | <b>CREDITS:4</b>    |

### **Course Objectives**

- The main objectives of this course are:
- To explain the concept, evolution, and framework of GST in India,
- To familiarize learners with GST registration procedures and legal provisions,
- To develop understanding of GST invoicing, input tax credit, and tax structure,
- To provide knowledge on GST compliance and return filing mechanisms,
- To familiarize students with practical aspects of E-way bills and documentation.

**UNIT: I** Introduction to GST- Indirect tax structure before GST - Need for GST - GST Council - Taxable event and supply concept - Exemptions and tax slabs-Advantages and Disadvantages of GST.,

**UNIT : II** GST Structure & Registration Types of GST: CGST, SGST, IGST, UTGST - Composite vs Regular scheme - GST registration process - Threshold limits - GSTIN structure - Amendments and cancellation.

**UNIT: III** GST Invoicing & Documentation Tax invoice rules - Debit/credit notes - Bill of supply - Time of supply - Place of supply - HSN & SAC codes.

**UNIT: IV** Input Tax Credit (ITC) Eligibility and conditions - ITC on capital goods - ITC restrictions - United credits - Composition scheme ITC rules.

**UNIT: V** GST Returns & Compliance GSTR-1, GSTR-3B, GSTR-9 overview - E-way bill concept & generation - GST audit basics - Penalties & offences.

### **Text Books:**

1. Bishal Kumar Agarwal & CS Vikas Agarwal, “GST Concepts for all” –Laxmi Publications Pvt. Ltd. 2018.
2. Lekhi, R.K, “Public Finance”, Kalyani Publishers, Ludhiana, Latest Edition.
3. Mithani, D.M., “Modern Public Finance”, Himalaya Publishers, Latest Edition.
4. Radhakrishnan, N. Public Finance: Theory and Approach “, Vrindha Publications, Latest Edition.

**COURSE OUTCOMES:(WITH MAPPING)**

| CO No.      | CO–Statements                                                     | Cognitive Levels<br>( K –Levels) |
|-------------|-------------------------------------------------------------------|----------------------------------|
|             | On successful completion of this course, students will be able to |                                  |
| <b>CO–1</b> | Understand the fundamentals and structure of GST,                 | <b>K1</b>                        |
| <b>CO–2</b> | Explain GST registration requirements and tax provisions,         | <b>K2</b>                        |
| <b>CO–3</b> | Apply rules of GST invoicing and ITC mechanism,                   | <b>K3</b>                        |
| <b>CO–4</b> | Analyze various GST compliance procedures,                        | <b>K4</b>                        |
| <b>CO–5</b> | Evaluate GST return filing processes and practical challenges.    | <b>K5</b>                        |

**Mapping of Cos with Pos & PsoS**

| COs/POs        | (POs)     |            |            |            |            | (PSOs)     |           |           |            |            |
|----------------|-----------|------------|------------|------------|------------|------------|-----------|-----------|------------|------------|
|                | 1         | 2          | 3          | 4          | 5          | 1          | 2         | 3         | 4          | 5          |
| <b>CO1</b>     | 3         | 3          | 2          | 3          | 2          | 3          | 3         | 2         | 2          | 2          |
| <b>CO2</b>     | 3         | 3          | 2          | 2          | 2          | 3          | 3         | 2         | 3          | 3          |
| <b>CO3</b>     | 3         | 1          | 2          | 3          | 2          | 2          | 3         | 2         | 2          | 2          |
| <b>CO4</b>     | 3         | 2          | 2          | 2          | 1          | 3          | 3         | 2         | 2          | 2          |
| <b>CO5</b>     | 3         | 3          | 3          | 3          | 2          | 3          | 3         | 2         | 2          | 3          |
| <b>Total</b>   | <b>15</b> | <b>12</b>  | <b>11</b>  | <b>13</b>  | <b>11</b>  | <b>14</b>  | <b>15</b> | <b>10</b> | <b>11</b>  | <b>12</b>  |
| <b>Average</b> | <b>3</b>  | <b>2.4</b> | <b>2.2</b> | <b>2.6</b> | <b>2.2</b> | <b>2.8</b> | <b>3</b>  | <b>2</b>  | <b>2.2</b> | <b>2.4</b> |

**\*S. Strong (3)****\*M-Medium (2)****\*L -Low(1)**

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|                    |                                                                                    |                     |
|--------------------|------------------------------------------------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>DISCIPLINE CENTRIC ELECTIVECOURSE-III<br/>PRINCIPLES OF BUSINESS MANAGEMENT</b> | <b>SEMESTER-III</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                                                                    | <b>CREDITS:4</b>    |

### **Course Objectives:**

- To impart knowledge about evolution of management,
- To provide understanding on planning process and importance of decision making in organization,
- To learn the application of principles in organization,
- To familiarize students about direction and co-ordination,
- To study the process of effective controlling in organization.

**UNIT I** Management: Importance – Definition – Nature and Scope of Management Process – Role and Functions of a Manager – Levels of Management – Development of Scientific Management and other Schools of thought and approaches.

**UNIT II** Planning: Nature – Importance – Forms – Types – Steps in Planning – Objectives – Policies – Procedures and Methods – Natures and Types of Policies – Decision –making – Process of Decision – making – Types of Decision.

**UNIT III** Organizing: Types of Organisations – Organisation Structure – Span of Control and Committees – Departmentalisation – Informal Organisation- Authority – Delegation – Decentralisation – Difference between Authority and Power – Responsibility.

**UNIT IV** Recruitment – Sources, Selection, Training – Direction – Nature and Purpose. Co-ordination – Need, Type and Techniques and requisites for excellent Co-ordination – Controlling – Meaning and Importance – Control Process.

**UNIT V** Definition of Business ethics - Types of Ethical issues - Role and importance of Business Ethics and Values in Business - - Ethics internal - Ethics External - Environment Protection - Responsibilities of Business.

Recommended Texts

### **COURSE OUTCOMES: (WITH MAPPING)**

| <b>CO No.</b> | <b>CO-Statements</b>                                                                                        | <b>Cognitive Levels<br/>( K –Levels)</b> |
|---------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|
|               | On successful completion of this course, students will be able to                                           |                                          |
| <b>CO-1</b>   | Understand the basic concepts and principles of management,                                                 | <b>K1</b>                                |
| <b>CO-2</b>   | Apply the skills needed to become a successful manager,                                                     | <b>K2</b>                                |
| <b>CO-3</b>   | Evaluate the influence of historical forces on the current practice of management,                          | <b>K3</b>                                |
| <b>CO-4</b>   | Analyze both qualitative and quantitative information to isolate issues and formulate best control methods, | <b>K4</b>                                |
| <b>CO-5</b>   | Apply the process of management's five functions: planning, organizing, leading, staffing and controlling.  | <b>K5</b>                                |

## Mapping of Cos with Pos & PsoS

| COs/POs        | (POs)     |           |           |           |            | (PSOs)    |           |           |            |            |
|----------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|------------|
|                | 1         | 2         | 3         | 4         | 5          | 1         | 2         | 3         | 4          | 5          |
| <b>CO1</b>     | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 2          | 2          |
| <b>CO2</b>     | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 2          |
| <b>CO3</b>     | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 3          |
| <b>CO4</b>     | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| <b>CO5</b>     | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| <b>Total</b>   | <b>15</b> | <b>15</b> | <b>15</b> | <b>15</b> | <b>12</b>  | <b>15</b> | <b>10</b> | <b>15</b> | <b>14</b>  | <b>13</b>  |
| <b>Average</b> | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>2.4</b> | <b>3</b>  | <b>2</b>  | <b>3</b>  | <b>2.8</b> | <b>2.6</b> |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                    |                                                         |                     |
|--------------------|---------------------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>GENERIC ELECTIVE COURSE-III<br/>HEALTH ECONOMICS</b> | <b>SEMESTER-III</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                                         | <b>CREDITS:3</b>    |

**Course Objectives:**

- To understand the importance of health sector in economic development
- To evaluate the components of demand and supply of health care
- To Understand the importance of Health Indicators.
- To evaluate the components of Demand of Healthcare.
- To examine the review the existing Health Infrastructure.

**Unit - I Introduction to Health Economics**

Health and Economic Development - Determinants of Health - Health Indicators – Birth Rate – Fertility – Morbidity – Mortality – IMR – CMR – MMR – Disability Adjusted Life Year (DALY) – Sex Ratio-Quality Adjusted Life Year (QALY) – Amartya Sen's Capability Approach.

**Unit- II Demand for Health Care**

Demand for Health Care Services – Preference for Health Care using Indifference Curves – Budget Constraints – Income and Price Effects for Health Care – Elasticity of Demand for Medical Care.

**Unit- III Supply of Health Care**

Supply of Health Care Services – Physicians and Medical Personnel as Health Care Providers – Non Labour Inputs – Hospitals – Interaction of Demand and Supply of Health Care -Health Care Incentives and Financing - Goals of health care provision and financing-

**Unit- IV Health Infrastructure**

Health Infrastructure – Rural – Urban –Government Programmes - Preventive, Promotive and Curative Health Care Services - Health Allocation in Budget - different approaches of valuing health, multi-attribute utility instruments and their development.

**Unit- V Health Services and Medical Insurance**

Health Insurance -Types of Insurance Policies in India- Medical Ethics -Medical Tourism - demand and supply of health insurance - market insurance, self-insurance and protection-employment based insurance - health insurance in India

**Books**

- Foll and, S., A.C. Goodman and M. Stano, Economics of Health and Health Care, fifth edition, Pearson Prentice Hall, 2006
- Culyer, A. J. and J.P. Newhouse (eds.), Handbook of Health Economics, Volumes 1A & B, North-Holland, 2000
- Zweifel, P., Health Economics, Oxford University Press, 1997
- CII-Mckinsey Report, Healthcare in India: The Road Ahead, 2004.

**COURSE OUTCOMES:(WITH MAPPING)**

| CO No. | CO–Statements                                                                              | Cognitive Levels<br>( K –Levels) |
|--------|--------------------------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to                          |                                  |
| CO–1   | Understand the importance of Health Indicators.                                            | K1                               |
| CO–2   | Evaluate the components of Demand of Healthcare.                                           | K2                               |
| CO–3   | Analyze the importance of Supply of Healthcare Services.                                   | K3                               |
| CO–4   | Review the Existing Health Infrastructure and Budget Allocation.                           | K4                               |
| CO–5   | Trace the growth of Medical Tourism in India and understand the need for Health Insurance. | K5                               |

**Mapping of Cos with Pos & PsoS**

| COs/POs        | (POs)      |           |            |           |            | (PSOs)     |            |            |             |           |
|----------------|------------|-----------|------------|-----------|------------|------------|------------|------------|-------------|-----------|
|                | 1          | 2         | 3          | 4         | 5          | 1          | 2          | 3          | 4           | 5         |
| CO1            | 3          | 3         | 3          | 3         | 2          | 3          | 2          | 3          | 3           | 2         |
| CO2            | 3          | 3         | 2          | 3         | 3          | 2          | 3          | 3          | 2           | 2         |
| CO3            | 3          | 3         | 3          | 3         | 2          | 1          | 1          | 3          | 2           | 2         |
| CO4            | 2          | 3         | 3          | 3         | 3          | 2          | 2          | 2          | 2           | 2         |
| CO5            | 3          | 3         | 3          | 3         | 3          | 3          | 3          | 3          | 2           | 2         |
| <b>Total</b>   | <b>14</b>  | <b>15</b> | <b>14</b>  | <b>15</b> | <b>13</b>  | <b>11</b>  | <b>11</b>  | <b>14</b>  | <b>11</b>   | <b>10</b> |
| <b>Average</b> | <b>2.8</b> | <b>3</b>  | <b>2.8</b> | <b>3</b>  | <b>2.6</b> | <b>2.2</b> | <b>2.2</b> | <b>2.8</b> | <b>2.11</b> | <b>2</b>  |

**\*S. Strong (3)****\*M-Medium (2)****\*L -Low (1)**

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|                    |                                                                 |                     |
|--------------------|-----------------------------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>GENERIC ELECTIVECOURSE-III<br/>HUMAN RESOURCE MANAGEMENT</b> | <b>SEMESTER-III</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                                                 | <b>CREDITS:3</b>    |

## **OBJECTIVES**

- To enable students to define human resource management and understand the importance and objectives of HRM
- To help students to describe the qualities of a good personnel manager and realize the importance of HRM Policies
- To enable students to define Job analysis, skills inventory, Job description, and job specification
- To help students to list the steps in recruitment and effectively recruit job candidates.
- To enable students to carry out HRM functions like placement induction, transfer, promotion, and termination of services

## **Unit - I Introduction to Human Resource Management (HRM)**

Introduction of Human Resources Management: Definition - Importance of Human Resources - Objectives of Human Resources Management - Qualities of a good personnel manager – Evolution and growth of Personnel Management in India - Human Resource Policies: Need - type and scope – Advantage for a written policy - Human Resources policies and work Culture.

## **Unit - II Recruitment and Selection**

Recruitment and selection: Purposes - types and methods of recruitment and selection - Relative merits and demerits of the different methods - Personnel Search, Selection Instruments - Reduction of recruitment costs - Functions of Human Resources Management – Placement – Induction – Transfers – Promotions - Voluntary Retirement Schemes.

## **Unit – III Training and Development**

Training and Development: Training Needs - Training Methods - Application of Computers in Training - Developing Effective Training Programmes - Concept of HRD - Management Development Programmes - Human Resources Planning: Long and Short term planning - Job Analysis - Skills inventory - Job Description and Job Specification.

## **Unit - IV Performance Appraisal**

Performance Evaluation: Ranking - rating scales - critical incident method, removing subjectivity from evaluation - MBO as a method of appraisal - Job evaluation - Criteria for Promotions and job enrichment - Wage and Salary Administration: Meanings - Calculation of Wage – Salary – Perquisites - Compensation Packages - Rewards and Incentives: Financial and non-financial incentives - Productivity – linked Bonus - Compensation Criteria.

## **Unit - V Compensation Management**

Compensation Management - Major Elements of Compensation Management - Incentives: Concepts - Types of Incentives - Incentives schemes in Indian Industries - Fringe Benefits - Discipline and Employees' Grievance Redressal - Emerging Trends in HRM.

**Text Books:**

1. Dessler, Gray, and Biju Varkkey,(2009) Human Resource Management, 11ed., Pearson Education, New Delhi.
2. Aswathappa K (2017) , Human Resource Management: Text & Cases ,8th Edition,, Tata McGraw-Hill Education

**Reference Books**

1. Rao, V.S.P (2010), Human Resource Management-Text & Cases, Excel Books, New Delhi.
2. David S. Decenzo and Stephen P. Robbins (2006), Personnel & Human Resource Management, 3edition, Prentice-Hall of India, New Delhi.
3. Dwivedi,R.S.(200) A Textbook of Human Resource Management, Vikas Publications, New Delhi.

**COURSE OUTCOMES:(WITH MAPPING)**

| CO No. | CO–Statements                                                                                        | Cognitive Levels<br>( K –Levels) |
|--------|------------------------------------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to                                    |                                  |
| CO–1   | Define human resource management and understand the importance and objectives of HRM.                | K1                               |
| CO–2   | Describe the qualities of a good personnel manager and realize the importance of HRM Policies.       | K2                               |
| CO–3   | Define Job analysis, skills inventory, Job description, and job specification                        | K3                               |
| CO–4   | Devise methods for salary and wage administration, D.A, and various types of incentives and bonuses. | K4                               |
| CO–5   | Apply various methods to evaluate the performance of employees.                                      | K5                               |

**Mapping of Cos with Pos & PsoS**

| COs/POs        | (POs)     |            |           |            |           | (PSOs)    |            |            |            |           |
|----------------|-----------|------------|-----------|------------|-----------|-----------|------------|------------|------------|-----------|
|                | 1         | 2          | 3         | 4          | 5         | 1         | 2          | 3          | 4          | 5         |
| CO1            | 3         | 3          | 3         | 3          | 3         | 3         | 2          | 3          | 2          | 2         |
| CO2            | 3         | 3          | 3         | 3          | 3         | 3         | 3          | 2          | 3          | 2         |
| CO3            | 3         | 2          | 3         | 3          | 3         | 3         | 2          | 3          | 3          | 2         |
| CO4            | 3         | 3          | 3         | 3          | 3         | 3         | 2          | 2          | 3          | 2         |
| CO5            | 3         | 3          | 3         | 2          | 3         | 3         | 2          | 2          | 2          | 2         |
| <b>Total</b>   | <b>15</b> | <b>14</b>  | <b>15</b> | <b>14</b>  | <b>15</b> | <b>15</b> | <b>11</b>  | <b>12</b>  | <b>13</b>  | <b>10</b> |
| <b>Average</b> | <b>3</b>  | <b>2.8</b> | <b>3</b>  | <b>2.8</b> | <b>3</b>  | <b>3</b>  | <b>2.2</b> | <b>2.4</b> | <b>2.6</b> | <b>2</b>  |

**\*S. Strong (3)****\*M-Medium (2)****\*L -Low (1)**

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|                    |                                         |                     |
|--------------------|-----------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>NON MAJOR ELECTIVE - II</b>          | <b>SEMESTER-III</b> |
| <b>CODE:</b>       | <b>GLOBALIZATION</b><br><b>(THEORY)</b> | <b>CREDITS:2</b>    |

#### **OBJECTIVES:**

- To help students know the concept of Globalization and Gain from trade.
- To make students know the key features of mercantilism and Gold standard.
- To analyze the role of Globalization in the way of growth and development of a nation.
- To make students aware about the impact of globalization in various sectors an economy.
- To elucidate the role of globalization in the promotion of democracy in a nation.

#### **UNIT-I:**

What is globalization–Measurement of Globalization–Gains from Trade–States and Markets–Complements or Substitutes

#### **UNIT-II:**

Mercantilism and the pre-modern world economy –Nineteenth century liberalism–The Classical Gold Standard (its downfall).

#### **UNIT-III:**

The Bretton Woods Compromise – Demise – Financial globalization – Globalization and Economic Development.

#### **UNIT-IV:**

Impact of Globalization–Pros and Cons; Sectorwise Impacts–Political manifestations of globalization–Social and cultural manifestations of globalization

#### **UNIT-V:**

Democracy–Globalization–Models of Global Governance–The Ethics of Globalization **UNIT- VI**  
**CURRENT CONTOURS (For Continuous Internal Assessment Only) :**Contemporary developments in the various aspects of Globalization

## REFERENCE:

1. Michael W. Weinstein, ed., 'Globalization: What's New', Columbia University Press, New York, 2005.
2. Ronald Findlay and Kevin H. O'Rourke, 'Power and Plenty: Trade, War, and the World Economy in the Second Millennium', Princeton University Press, Princeton and Oxford, 2007.
3. Barry Eichengreen, 'Globalizing Capital: A History of the International Monetary System', 2nd ed., Princeton University Press, Princeton and Oxford, 2008.
4. Peter Singer, 'One World: The Ethics of Globalization', 2nd ed., Yale University Press, New Haven and London, 2002.
5. Dani Rodrik, 'Has Globalization Gone Too Far?', Institute for International Economics, Washington, DC, 1997.
6. Edward E. Leamer, - 'A Flat World, A Level Playing Field, a Small World After All, or None of the Above?', Journal of Economic Literature, March 2007, 83-126.
7. N. Gregory Mankiw, 'Principles of Economics', 9th ed., 2009, chap. 9, pp. 177-199.
8. Kenneth A. Scheve and Matthew J. Slaughter, — 'A New Deal for Globalization' Foreign Affairs. July/August 2007, pp. 1-33.
9. David Held and Anthony McGrew, 'Globalization/Anti-globalization: Beyond the Great Divide', 2nd ed., Polity Press, 2007, chaps. 10-11, pp. 185-219.

## COURSE OUT COMES: (WITH MAPPING)

| CO No. | CO-Statements                                                                        | Cognitive Levels<br>( K –Levels) |
|--------|--------------------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to                    |                                  |
| CO-1   | Understand the concepts of Globalization and Gain from trade.                        | K1                               |
| CO-2   | Learn key features of mercantilism and Gold standard.                                | K2                               |
| CO-3   | Identify the role of Globalization on the way of growth and development of a nation. | K3                               |
| CO-4   | Evaluate the impact of globalization in various sectors of an economy.               | K4                               |
| CO-5   | To determine the role of globalization in the promotion of democracy in a nation.    | K5                               |

### Mapping of Cos with Pos & PsoS

| COs/POs        | (POs)     |            |            |            |            | (PSOs)     |           |           |            |            |
|----------------|-----------|------------|------------|------------|------------|------------|-----------|-----------|------------|------------|
|                | 1         | 2          | 3          | 4          | 5          | 1          | 2         | 3         | 4          | 5          |
| <b>CO1</b>     | 3         | 3          | 2          | 3          | 2          | 3          | 3         | 2         | 2          | 2          |
| <b>CO2</b>     | 3         | 3          | 2          | 2          | 2          | 3          | 3         | 2         | 3          | 3          |
| <b>CO3</b>     | 3         | 1          | 2          | 3          | 2          | 2          | 3         | 2         | 2          | 2          |
| <b>CO4</b>     | 3         | 2          | 2          | 2          | 1          | 3          | 3         | 2         | 2          | 2          |
| <b>CO5</b>     | 3         | 3          | 3          | 3          | 2          | 3          | 3         | 2         | 2          | 3          |
| <b>Total</b>   | <b>15</b> | <b>12</b>  | <b>11</b>  | <b>13</b>  | <b>11</b>  | <b>14</b>  | <b>15</b> | <b>10</b> | <b>11</b>  | <b>12</b>  |
| <b>Average</b> | <b>3</b>  | <b>2.4</b> | <b>2.2</b> | <b>2.6</b> | <b>2.2</b> | <b>2.8</b> | <b>3</b>  | <b>2</b>  | <b>2.2</b> | <b>2.4</b> |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low(1)**

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|                    |                                                                   |                     |
|--------------------|-------------------------------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>CORE COURSE -X<br/>ECONOMICS OF GROWTH AND<br/>DEVELOPMENT</b> | <b>SEMESTER- IV</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                                                   | <b>CREDITS : 4</b>  |

### **OBJECTIVES:**

- Make students understand the concept of economic growth and development.
- Gain knowledge about the economic growth models.
- Study the social and institutional aspects of development.
- Help the students understand the theories of development.
- Acquire knowledge about the vicious circle of poverty and balanced growth.
- Gain an understanding about the recent theoretical and empirical developments in Growth and Development.

### **UNIT-I ECONOMIC GROWTH AND DEVELOPMENT:**

Economic Growth and development– Factors affecting economic growth and development– Basic social and economic structure - Sustainable development – Social and economic environmental balances.

### **UNIT-II ECONOMIC GROWTH MODELS:**

Growth models - Harrod and Domar, Neoclassical growth models–Solow and Meade, Mrs. Joan Robinson's growth model; Criticism of Neo-classical analysis of growth, The capital controversy- Technical Progress–Embodied and disembodied technical progress; Kaldor and Pasinetti models.

### **UNIT-III SOCIAL AND INSTITUTIONAL ASPECTS OF DEVELOPMENT:**

Development and under development – Poverty –Absolute and relative measure development and development gap–Inequality of Income, Human Development Index and other indices of development and Quality of life – Food security, Education, Health and Nutrition; Human Resource Development; Theory of Demographic Transition, Population as limits to growth and as ultimate source – Population, poverty and environment; Economic development and institutions

### **UNIT-IV THEORIES OF DEVELOPMENT:**

Classical theory of development–Contributions of Adam Smith, Ricardo, Malthus and James Mill Karl Marx and Development of capitalist economy– Theory of social change, Surplus value And Profit; Immutable Laws of Capitalist development; Crisis in capitalism –Schumpeter and Capitalist development; Innovation-Role of credit, profit and degeneration of capitalism

### **UNIT-V APPROACHES TO DEVELOPMENT:**

Partial theories of growth and development –Vicious circle of poverty, Circular Causation, Unlimited supply of labour , Bigpush, Balanced growth, Unbalanced growth, Critical Minimum Effort Thesis, Low Income Equilibrium Trap ;Dualism- Technical, Behavioral and Social; Ranis and Fei model

### **UNIT- VI CURRENT CONTOURS (For Continuous Internal Assessment Only):**

## Recent Theoretical and Empirical developments in Growth and Development

### REFERENCES:

1. A delman, I. (1961), Theories of Economic Growth and Development, Stanford University Press, Stanford
2. Behrman, S. and T.N. Srinivasan (1995), Handbook of Development Economics Vol.3, Elsevier, Amsterdam
3. Chenery, H. and T.N. Srinivasan (Eds.) (1989) Handbook of Development Economics, Vols. 1 & 2, Elsevier, Amsterdam
4. Ghatak, S. (1986), An Introduction of Development Economics, Allen and Unwin, London
5. Gimmell, N. (1987), Surveys in Development Economics, Blackwell, Oxford
6. Kindleberger, C.P. (1977), Economic development, (3<sup>rd</sup> Edition), McGraw Hill, New York
7. Meier, G.M. (1995), Leading Issues in Economic Development, (6<sup>th</sup> Edition), Oxford University Press, New Delhi
8. Myint, H. (1965), The Economics of Under developed Countries, Preager, New York
9. Todaro, M.P. (1996) (6<sup>th</sup> Edition), Economic Development, Longman, London
10. Thirwal, A.P. (1999), (6<sup>th</sup> Edition), Growth and Development, Macmillan, U.K.

### COURSE OUTCOMES:(WITH MAPPING)

| CO No. | CO-Statements                                                            | Cognitive Levels<br>(K –Levels) |
|--------|--------------------------------------------------------------------------|---------------------------------|
|        | On successful completion of this course, students will be able to        |                                 |
| CO-1   | Define the concept of economic growth and development.                   | K1                              |
| CO-2   | Explain the economic growth models and technical progress.               | K2                              |
| CO-3   | Develop the quality of life food security education and health.          | K3                              |
| CO-4   | Examine the classical theory of development and theory of social change. | K4                              |
| CO-5   | Build the approaches to development and growth.                          | K5                              |

### Mapping of Cos with Pos & PsoS

| COs/POs | (POs) |    |    |    |     | (PSOs) |    |    |     |     |
|---------|-------|----|----|----|-----|--------|----|----|-----|-----|
|         | 1     | 2  | 3  | 4  | 5   | 1      | 2  | 3  | 4   | 5   |
| CO1     | 3     | 3  | 3  | 3  | 2   | 3      | 2  | 3  | 2   | 2   |
| CO2     | 3     | 3  | 3  | 3  | 3   | 3      | 2  | 3  | 3   | 2   |
| CO3     | 3     | 3  | 3  | 3  | 3   | 3      | 2  | 3  | 3   | 3   |
| CO4     | 3     | 3  | 3  | 3  | 2   | 3      | 2  | 3  | 3   | 3   |
| CO5     | 3     | 3  | 3  | 3  | 2   | 3      | 2  | 3  | 3   | 3   |
| Total   | 15    | 15 | 15 | 15 | 12  | 15     | 10 | 15 | 14  | 13  |
| Average | 3     | 3  | 3  | 3  | 2.4 | 3      | 2  | 3  | 2.8 | 2.6 |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                    |                                                    |                     |
|--------------------|----------------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>CORE COURSE -XI<br/>INTERNATIONAL ECONOMICS</b> | <b>SEMESTER- IV</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                                    | <b>CREDITS:4</b>    |

### **OBJECTIVES:**

- To enable the students understand the working and implications of open economic system.
- To impart knowledge on the theories of International Trade.
- To give the students an understanding about Balance of Payments.
- To provide the students a comprehensive idea about Globalisation.
- To enable students to review trade problems and policies in India.
- To make students cognizant of the various contemporary developments in International Economics.

### **UNIT-I THEORY OF INTERNATIONAL TRADE:**

The pure theory of international trade - Theories of Absolute Advantage, Comparative Advantage and Opportunity Costs, Modern Theory of International Trade; Theorem of Factor-Price Equalization; Empirical Testing of Theory of Absolute Cost and Comparative Cost - Leontief Paradox - Heckscher-Ohlin Theory of Trade. Role of Dynamic Factors, The Rybczynski Theorem - Causes of emergence and measurement of Intra-industry trade and its impact on developing economies.

### **UNIT-II MEASUREMENT OF GAINS AND THEORY OF INTERVENTIONS:**

Concepts of Terms of Trade, Their uses and Limitations; Hypothesis of Secular Deterioration of Terms of Trade, Trade as an engine of Economic Growth; The Theory of Interventions (Tariffs, Quotas and non-tariff barriers); Economic effects of Tariffs and Quotas. Balance of Payments on trading partners both in Partial and General equilibrium analysis. Non-Tariff barriers and their implications; Nominal, Effective and Optimum rates of Tariffs – Their Measurement, Impact and Welfare Implications; Trade under Imperfectly Competitive Market.

### **UNIT-III BALANCE OF PAYMENTS:**

Meaning and components of Balance of Payments; Equilibrium and Disequilibrium in the Balance of Payments; The process of adjustment under Systems of Gold Standard, Fixed Exchange Rates and Flexible Exchange Rates ; Expenditure – reducing and Switching policies and Direct controls for adjustment; Policies for achieving Internal and External equilibrium. Foreign Trade Multiplier. Relative Merits and Demerits of Fixed and Flexible Exchange Rates.

#### **UNIT-IV GLOBALISATION: TRENDS AND IMPLICATIONS:**

Rise and fall of gold standard and Bretton Woods system; Need, adequacy and determinants of international reserves; Emerging International Monetary System with special reference to developing countries; Reform of the International Monetary System, India and developing countries. Theory of short-term capital movements (FDI and FII) and East-Asian Crisis and lessons for developing countries; International trade and financial institutions – Role of GATT/WTO (TRIPS, TRIMS), UNCTAD, IMF, World Bank and Asian Development Bank (ADB) – Their achievements and failures; WTO and World Bank from the point of view of India. BRICS, BIMSTEC, QUAD.

#### **UNIT-V TRADE POLICIES IN INDIA:**

Trade problems and trade policies in India during the last five decades; Recent changes in the direction and composition of trade and their implications; Rationale and impact of trade reforms since 1991 on balance of payments, employment and growth. Problems of India's international debt; Working and regulations of MNCs in India; Instruments of export promotion and recent import and export policies and agenda for future.

#### **UNIT VI CURRENT CONTOURS (For Continuous Internal Assessment Only):**

Recent Theoretical and Empirical developments in International Economics

#### **REFERENCES:**

1. Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge University Press, Massachusetts.
2. Carbaugh, R. J. (1999), International Economics, International Thompson Publishing, New York.
3. Chacholiades, M. (1990), International Trade: Theory and Policy Mc Graw Hill, Kogakusha, Japan.
4. Dana, M. S. (2000), International Economics: Study, Guide and Work Book, (5<sup>th</sup> Edition), Routledge Publishers, London.
5. Dunn, R. M. and J. H. Mutti (2000), International Economics, Routledge, London.
6. Kenen, P. B. (1994), The International Economy, Cambridge University Press, London.
7. Kindleberger, C. P. (1973), International Economics, R. D. Irwin, Homewood.
8. King, P. G. (1995), International Economics and International Economic Policy: A Reader, McGraw Hill International, Singapore.
9. Krugman, P. R. and M. Obstfeld (1994), International Economics: Theory and Policy, Glenview, Foresman.
10. Salvatore, D. (1997), International Economics, Prentice Hall, Upper Saddle River, N.J., New York.
11. Soderstrom, B. (1991), International Economics, The Macmillan Press Ltd., London.
12. Joshi, V. and I. M. D. Little (1998), India's Economic Reforms, 1991-2000, OUP, New Delhi.

**COURSE OUT COMES:** On completion of the course, students should be able to

- Identify them a in theories and models of international trade.
- Analyze the economic effects of tariffs and quota sand measure the gains of international trade.
- Examine the equilibrium and disequilibrium in the balance of payments
- Assess the Trends and Implications of Globalization
- Criticize the Trade Policies in India
- BecomecognizantoftheRecentTheoreticalandEmpiricaldevelopmentsinInternational Economics

**COURSE OUTCOMES:(WITH MAPPING)**

| CO No. | CO–Statements                                                                                   | Cognitive Levels (K – Levels) |
|--------|-------------------------------------------------------------------------------------------------|-------------------------------|
|        | On successful completion of this course, students will be able to                               |                               |
| CO–1   | Identify them a in theories and models of international trade.                                  | K1                            |
| CO–2   | Analyze the economic effects of tariffs and quota sand measure the gains of international trade | K2                            |
| CO–3   | Examine the equilibrium and disequilibrium in the balance of payments                           | K3                            |
| CO–4   | Assess the Trends and Implications of Globalization                                             | K4                            |
| CO–5   | Criticize the Trade Policies in India                                                           | K5                            |

**Mapping of Cos with Pos & PsoS**

| COs/POs | (POs) |    |     |    |     | (PSOs) |     |     |      |    |
|---------|-------|----|-----|----|-----|--------|-----|-----|------|----|
|         | 1     | 2  | 3   | 4  | 5   | 1      | 2   | 3   | 4    | 5  |
| CO1     | 3     | 3  | 3   | 3  | 2   | 3      | 2   | 3   | 3    | 2  |
| CO2     | 3     | 3  | 2   | 3  | 3   | 2      | 3   | 3   | 2    | 2  |
| CO3     | 3     | 3  | 3   | 3  | 2   | 1      | 1   | 3   | 2    | 2  |
| CO4     | 2     | 3  | 3   | 3  | 3   | 2      | 2   | 2   | 2    | 2  |
| CO5     | 3     | 3  | 3   | 3  | 3   | 3      | 3   | 3   | 2    | 2  |
| Total   | 14    | 15 | 14  | 15 | 13  | 11     | 11  | 14  | 11   | 10 |
| Average | 2.8   | 3  | 2.8 | 3  | 2.6 | 2.2    | 2.2 | 2.8 | 2.11 | 2  |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                    |                                            |                     |
|--------------------|--------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>CORE COURSE -XII<br/>INDIAN ECONOMY</b> | <b>SEMESTER- IV</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                            | <b>CREDITS:4</b>    |

#### **OBJECTIVES:**

- To help the students know the various natural and human resources.
- To familiarize the feature of Agricultural, Industrial and Service sector of India.
- To analyze the problem of poverty in India and the various government schemes for eradication of poverty.
- To study the role of planning in the development of Indian economy.
- To help students know the typical feature of Globalization and India's foreign trade policies.

#### **UNIT-I NATURAL RESOURCES AND HUMAN RESOURCES:**

Natural Resources – meaning and importance – forest resources – energy resources – mineral resources – water resources – use patterns of natural resources – environmental degradation policies on management of environmental resources Demography- size, growth and occupation composition of the population – density and distribution – demographic dividend- national population policy – human capital – quality of health and education – Human Development Index – National Skill Development Corporation.

#### **UNIT-II AGRICULTURAL, INDUSTRIAL AND SERVICES SECTORS:**

Nature and importance of agriculture – factors influencing agricultural development – agricultural production and productivity – new agricultural policy – green revolution – issues in food security – farmers' suicide – role of governments for agricultural sector development. Industrial development under Five Year Plans – New industrial policy – position of public sector enterprises – labour market reform – Make in India Programme – infrastructure and economic development – transport: railways, roads, shipping and airways – energy – power – role of service sector in economic development – banking – insurance – telecommunications – IT Industry – ITES.

#### **UNIT-III POVERTY AND INEQUALITY:**

Poverty – its meaning – VMD and ekar & Nilakanta Rath, Suresh Tendulkar and Rangarajan methodology for poverty estimation – poverty alleviation programmes since 1970s – MGNREGP (Mahatma Gandhi National Rural Employment Guarantee Programme) – Food Security Act – PDS – ICDS – PURA (Vision 2020).

#### **UNIT-IV PLANNING AND POLICY ENVIRONMENT:**

Planning in India – objectives – strategies – achievements and failures – Eleventh and Twelfth Five Year Plans – objectives, allocation and target – NITI [National Institution for Transforming India] Aayog – Structure and functions – Plan performance to tackle poverty, inequality and unemployment – New economic reforms – Liberalization, Privatization and Globalization; rationale behind economic reforms – Macro Economic policies – fiscal and monetary.

## **UNIT-V GLOBALIZATION AND TRADE:**

Directions and composition of foreign trade – balance of trade and payments – current account deficit–India's foreign trade policy–WTO–features and assessment–globalization–features and problems–sectoral contribution trade–imports substitution and export promotion–Foreign Direct Investment (FDI) and MNCs.

## **UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):**

Current developments in various sectors of Indian economy

## **REFERENCE:**

1. Agarwal, A.N. (2004) Indian Economy, Wishwa Prakashan, New Delhi
2. Ahluwalia, I.J. and I.M.D. Little (Eds.) (1999), India's Economic Reforms and Development (Essays in honour of Manmohan Singh), Oxford University Press, New Delhi.
3. Alagh, Y.K. (1995), Indian Development Planning and Policy, Vikas, New Delhi.
4. Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
5. Bawa, R.S. and P.S. Raikhy (Ed.) (1997), Structural Changes in India Economy, Guru Nanak Dev University Press, Amritsar.
6. Brahmananda, P.R. and V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy: Inter-State Perspectives, Bookwell, Delhi.
7. Chakravarty, S. (1987), Development Planning: The Indian Experience, Oxford University Press, New Delhi.
8. Dantwala, M.L. (1996), Dilemmas of Growth : The Indian Experience, Saga Publications, New Delhi.
9. Datt Rudra and K.P.M. Sundaram (2001), Indian Economy, S. Chand & Co., New Delhi.
10. Dhar, P.K. (2002) Indian Economy- its growing dimensions, Kalyani Publishers, New Delhi
11. Dhingra, I.C., (2012) The Indian Economy: Environment and Policy, 16th ed., Sultan Chand & Sons, New Delhi
12. Dreze, Jean and Amartya Kumar Sen (1999), India : Economic Development and Social Opportunity, OUP, New Delhi.
13. Government of India, Economic Survey, (Annual), Ministry of Finance, New Delhi.
14. Jalan, B. (1992), The Indian Economy – Problems and Prospects, Viking, New Delhi.
15. Kindleberger, C.P. (1977), Economic Development, 3e, McGraw Hill, New York.
16. Jhingran, M.L., (2010) The Economics of Development and Planning, Vikas Publishing House Pvt Ltd., New Delhi.
17. Kindleberger, C.P. (1977), Economic Development, 3e, McGraw Hill, New York.
18. Meier, G.M. (1995), Leading Issues in Economic Development, 6e, Oxford University Press, New Delhi.
19. Mishra, S.K. and V.K. Puri, (2010) Economics of Development and Planning, Himalaya Publishing House, New Delhi.
20. Pantwala, S. (1987), Dilemmas of Growth : Indian Experience, Sage Publications, New Delhi.
21. Parkh, K.S. (1999), India Development Report (Annual), Oxford University Press, New Delhi.
22. Reserve Bank of India, Report of Currency and Finance, (Annual).
23. Todaro, M.P., Economic Development, Wesley Longman, New Delhi 7<sup>th</sup> edition, 2000.
24. Uma Kapila, Indian Economy: Performance and Policies
25. Uma Kapila, Indian Economy since Independence

**COURSE OUTCOMES: (WITH MAPPING)**

| <b>CO No.</b> | <b>CO-Statements</b>                                                                         | <b>Cognitive Levels (K –Levels)</b> |
|---------------|----------------------------------------------------------------------------------------------|-------------------------------------|
|               | On successful completion of this course, students will be able to                            |                                     |
| <b>CO-1</b>   | Understand various natural resources and human resources.                                    | <b>K1</b>                           |
| <b>CO-2</b>   | Evaluate the Policies and Performance of Agriculture, Industry and Service sectors of India. | <b>K2</b>                           |
| <b>CO-3</b>   | Gain a perspective on key issues related to Poverty and Inequality existing in India.        | <b>K3</b>                           |
| <b>CO-4</b>   | Understand the role of planning in the development of Indian economy.                        | <b>K4</b>                           |
| <b>CO-5</b>   | Make aware about the concept of Globalization and its impact on Indian economy.              | <b>K5</b>                           |

**Mapping of Cos with Pos & PsoS**

| COs/POs        | (POs)      |            |           |            |            | (PSOs)     |            |            |            |            |
|----------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|
|                | <b>1</b>   | <b>2</b>   | <b>3</b>  | <b>4</b>   | <b>5</b>   | <b>1</b>   | <b>2</b>   | <b>3</b>   | <b>4</b>   | <b>5</b>   |
| <b>CO1</b>     | 3          | 3          | 3         | 2          | 2          | 3          | 2          | 2          | 2          | 3          |
| <b>CO2</b>     | 2          | 2          | 3         | 3          | 3          | 2          | 3          | 2          | 2          | 2          |
| <b>CO3</b>     | 3          | 3          | 3         | 3          | 2          | 3          | 1          | 2          | 2          | 2          |
| <b>CO4</b>     | 3          | 3          | 3         | 3          | 3          | 3          | 2          | 2          | 2          | 2          |
| <b>CO5</b>     | 3          | 3          | 3         | 3          | 2          | 3          | 3          | 3          | 3          | 2          |
| <b>Total</b>   | <b>14</b>  | <b>14</b>  | <b>15</b> | <b>14</b>  | <b>12</b>  | <b>11</b>  | <b>11</b>  | <b>11</b>  | <b>11</b>  | <b>11</b>  |
| <b>Average</b> | <b>2.8</b> | <b>2.8</b> | <b>3</b>  | <b>2.8</b> | <b>2.4</b> | <b>2.2</b> | <b>2.2</b> | <b>2.2</b> | <b>2.2</b> | <b>2.2</b> |

**\*S. Strong (3)****\*M-Medium (2)****\*L -Low (1)**

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|                    |                                                                      |                     |
|--------------------|----------------------------------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>DISCIPLINE CENTRIC ELECTIVECOURSE-IV<br/>MARKETING MANAGEMENT</b> | <b>SEMESTER- IV</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                                                      | <b>CREDITS:4</b>    |

### **Course Objectives:**

- To learn the fundamental knowledge of marketing and its function, Environment and Marketing segmentation,
- To understand the influence of consumer buying behaviour in Decision Process,
- To articulate the marketing mix concepts, product life cycle strategies and construct a new product development,
- To illustrate the different types of Pricing and Physical distribution and to know about the effectiveness of channel conflict management,
- To review the categories of promotional mix and emerging trends.

**UNIT I:** Introduction to Marketing Definition - Classification of markets and marketing - Importance - Functions - Marketing Environment Factors influencing the Marketing Environment- Market Segmentation- Need and basis of market segmentation -Targeting and Positioning.

**UNIT II:** Consumer Buying Behaviour: Definition - Consumer Behaviour and Factors influencing consumer behaviour - Types - general consumers, industrial consumers, online consumers - Buying Behaviour - Factors - Buying Motives - Stages of Buying Decision Process.

**UNIT III:** Product Marketing Mix - definition - Product - Product policy - Product mix - Branding, Packaging and labeling (functions, kinds and advantages) - Product life cycle - strategies of PLC - New product development.

**UNIT IV:** Pricing & Physical Distribution Price - Definition - Pricing objectives - Pricing policies - Methods of pricing - Factors influencing Pricing Decisions - New Product Development - Psychological aspects in Pricing - Channel of Distribution - Types - Channel Members - Channel conflict management.

**UNIT V:** Promotion and Emerging trends in Marketing Definition - Promotional Mix - Advertisement- Features - advantages - disadvantages-types- Sales promotion - Forms, -Publicity - Personal selling - E-Marketing - Green Marketing - Niche Marketing - Social Media Marketing - Influencer Marketing.

### **Book for Study:**

Gupta, C. B., & Nair, N. R. (2020), Marketing Management. (19th Ed.). Sultan Chand & Sons.  
Gupta, S. L and R. L. Varshney, Marketing Management: Text and Cases, Sultan Chand & Sons. Natarajan, L, Marketing Management: Text and Cases, Margham Publications, Chennai.

**Books for Reference:**

1. Kotler, P. (2016). Marketing Management. (16th Ed.). Prentice Hall of India Pvt Ltd.
2. Chernev, A. (2014). Strategic Marketing Management. Cerebellum Press, Inc.
3. Scott, D. M. (2007). The New Rules of Marketing. P.R. John Wiley & Sons, Inc.
4. Ottman, J. (2017). The New Rules of Green Marketing. Routledge, Green Key Publishing Ltd.

**Course Outcomes:**

- Understand the basic concepts and principles of management.
- Apply the skills needed to become a successful manager.
- Evaluate the influence of historical forces on the current practice of management.
- Analyze both qualitative and quantitative information to isolate issues and formulate best control methods.
- Apply the process of management's five functions: planning, organizing, leading, staffing and controlling.

**COURSE OUTCOMES:(WITH MAPPING)**

| CO No. | CO-Statements                                                                                               | Cognitive Levels<br>( K –Levels) |
|--------|-------------------------------------------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to                                           |                                  |
| CO-1   | Understand the basic concepts and principles of management.                                                 | K1                               |
| CO-2   | Apply the skills needed to become a successful manager.                                                     | K2                               |
| CO-3   | Evaluate the influence of historical forces on the current practice of management.                          | K3                               |
| CO-4   | Analyze both qualitative and quantitative information to isolate issues and formulate best control methods. | K4                               |
| CO-5   | Apply the process of management's five functions: planning, organizing, leading, staffing and controlling.  | K5                               |

**Mapping of Cos with Pos&PsoS**

| COs/POs        | (POs)     |            |           |            |           | (PSOs)    |            |            |            |           |
|----------------|-----------|------------|-----------|------------|-----------|-----------|------------|------------|------------|-----------|
|                | 1         | 2          | 3         | 4          | 5         | 1         | 2          | 3          | 4          | 5         |
| CO1            | 3         | 3          | 3         | 3          | 3         | 3         | 2          | 3          | 2          | 2         |
| CO2            | 3         | 3          | 3         | 3          | 3         | 3         | 3          | 2          | 3          | 2         |
| CO3            | 3         | 2          | 3         | 3          | 3         | 3         | 2          | 3          | 3          | 2         |
| CO4            | 3         | 3          | 3         | 3          | 3         | 3         | 2          | 2          | 3          | 2         |
| CO5            | 3         | 3          | 3         | 2          | 3         | 3         | 2          | 2          | 2          | 2         |
| <b>Total</b>   | <b>15</b> | <b>14</b>  | <b>15</b> | <b>14</b>  | <b>15</b> | <b>15</b> | <b>11</b>  | <b>12</b>  | <b>13</b>  | <b>10</b> |
| <b>Average</b> | <b>3</b>  | <b>2.8</b> | <b>3</b>  | <b>2.8</b> | <b>3</b>  | <b>3</b>  | <b>2.2</b> | <b>2.4</b> | <b>2.6</b> | <b>2</b>  |

**\*S. Strong (3)****\*M-Medium (2)****\*L -Low (1)**

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|                    |                                                                           |                     |
|--------------------|---------------------------------------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>DISCIPLINE CENTRIC ELECTIVECOURSE-IV<br/>ORGANAIZATIONAL BEHAVIOUR</b> | <b>SEMESTER- IV</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                                                           | <b>CREDITS:4</b>    |

### **COURSE OBJECTIVES:**

1. To give an insight into how individual behavior can be made meaningful to increase organizational effectiveness,
2. To understand group behavior in the organization,
3. To understand the concepts of organizational behavior and its systems.,
4. To create awareness of job satisfaction.
5. enhance the importance of workplace counseling,
6. To analyze the importance of coordination,
7. To measure the organizational development.

**UNIT-I: INTRODUCTION:** Definition, Nature and Scope of Organizational Behavior – Need for Studying Organizational Behavior- Disciplines that Contribute to OB- OB Models – Challenges and Opportunities of OB.

**UNIT-II: INDIVIDUAL BEHAVIOR:** Perception: Meaning – Process-Improving Perception, Personality Development Determinants of Personality-Personality Traits. Learning Theories and Principles of Learning. Motivation: Meaning and Importance – Theories of Motivation

**UNIT-III: GROUPBEHAVIOR:** Groups – Definition – Types – Group Development;- Groups Norms–Group Cohesiveness–Group Decision Making – Conflict- Individual Conflict – Interpersonal Conflict- Group Conflict– Resolving Conflict.

**UNIT-IV: ORGANIZATIONALCULTURE:** Organisational Culture - Meaning - Definition - Concept - Characteristics - Types of Culture -Functions of Culture - Creating and Sustaining Culture - Learning Culture - Measuring Culture –Communicating Culture.

**UNIT-V: ORGANIZATIONAL CHANGE AND ORGANIZATIONAL DEVELOPMENT:** Forces of change; Planned change; Resistance; Approaches (Lewin's model, Organization development); Organizational Development –OD Interventions.

### **TEXT BOOKS:**

1. L.M.Prasad, Organizational behaviour-Sultan Chand, New Delhi.
2. J.Jayashankar, Organizational Behavior- Margham publications, Chennai.

### **REFERENCE BOOKS:**

1. K.Aswathapa, Organisational behavior- Himalayas publishing house, Mumbai.
2. Luthans Fred, Organizational Behavior- Tata McGraw Hil.
3. Stephen P Robins, Organisational behavior- Pearson Education, 2018, Noida.

### COURSE OUTCOMES: (WITH MAPPING)

| CO No. | CO-Statements                                                                            | Cognitive Levels<br>( K –Levels) |
|--------|------------------------------------------------------------------------------------------|----------------------------------|
|        | On successful completion of this course, students will be able to                        |                                  |
| CO-1   | Apply theories and concepts of organizational behaviour in workplace to create an        | K1                               |
| CO-2   | effective organisational environment.                                                    | K2                               |
| CO-3   | Analyze workplace behaviours from theoretical perspective of ability, learning, attitude | K3                               |
| CO-4   | and values.                                                                              | K4                               |
| CO-5   | Determine the influence of perception, personality and emotions on workplace             | K5                               |

### Mapping of Cos with Pos & PsoS

| COs/POs        | (POs)     |            |            |            |            | (PSOs)     |           |           |            |            |
|----------------|-----------|------------|------------|------------|------------|------------|-----------|-----------|------------|------------|
|                | 1         | 2          | 3          | 4          | 5          | 1          | 2         | 3         | 4          | 5          |
| CO1            | 3         | 3          | 2          | 3          | 2          | 3          | 3         | 2         | 2          | 2          |
| CO2            | 3         | 3          | 2          | 2          | 2          | 3          | 3         | 2         | 3          | 3          |
| CO3            | 3         | 1          | 2          | 3          | 2          | 2          | 3         | 2         | 2          | 2          |
| CO4            | 3         | 2          | 2          | 2          | 1          | 3          | 3         | 2         | 2          | 2          |
| CO5            | 3         | 3          | 3          | 3          | 2          | 3          | 3         | 2         | 2          | 3          |
| <b>Total</b>   | <b>15</b> | <b>12</b>  | <b>11</b>  | <b>13</b>  | <b>11</b>  | <b>14</b>  | <b>15</b> | <b>10</b> | <b>11</b>  | <b>12</b>  |
| <b>Average</b> | <b>3</b>  | <b>2.4</b> | <b>2.2</b> | <b>2.6</b> | <b>2.2</b> | <b>2.8</b> | <b>3</b>  | <b>2</b>  | <b>2.2</b> | <b>2.4</b> |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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|                    |                                          |                     |
|--------------------|------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>ENTREPRENEURSHIP / INDUSTRY BASRD</b> | <b>SEMESTER- IV</b> |
|                    | <b>COURSE</b>                            |                     |
|                    | <b>ENTREPRENEURSHIP</b>                  |                     |
| <b>CODE:</b>       | <b>(THEORY)</b>                          | <b>CREDITS:3</b>    |

### **OBJECTIVES:**

- To help the students know the role of entrepreneurship in Economic Development.
- To study various theories of motivation.
- To make the students able to identify and evaluate business opportunities.
- To help students able to prepare a business plan.
- To make the students understand able to the various practical aspects of entrepreneurship.

### **UNIT-I INTRODUCTION TO ENTREPRENEURSHIP:**

Concept – Types – Entrepreneurship as a Career – Theories of Entrepreneurship – Growth of Entrepreneurship in India – Role of Entrepreneurship in Economic Development – Factors Effecting Entrepreneurial Growth

### **UNIT-II ENTREPRENEURIAL MOTIVATION:**

Motivation Process – Theories of Motivation: Maslow, McClelland – Factors Motivation Entrepreneurs – Major Entrepreneurial Competencies – Entrepreneurial Development Programme: Objectives, Contents, Phases – Kakinada Experiment

### **UNIT-III IDENTIFICATION AND EVALUATION OF BUSINESS OPPORTUNITIES:**

Sources of Project Idea – Project Selection – Project Appraisal: Economic Analysis – Financial Analysis – Market Analysis, Technical Feasibility – Human Resource Mobilization – Management Competence

### **UNIT-IV THE BUSINESS PROJECT FORMULATION:**

Need for a Good Business Plan – Guidelines for Formulation of a Project Report – Network Analysis – Critical Path Method – Common Errors in Project Formulation – Preparation of a Business plan (individual work)

### **UNIT-V PRACTICAL ASPECTS OF ENTREPRENEURSHIP:**

Sources of Finance – Ownership Structures – Institutional Support to Entrepreneurs – Steps for Starting an SSI Unit – Industrial Sickness: Signals, Symptoms and Corrective Measures

**UNIT-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):**

Recent developments in practical aspects of Entrepreneurship in India

**REFERENCES:**

1. Arya Kumar, (2014) Entrepreneurship: Creating and Leading an Entrepreneurial Organization, Pearson, Delhi.
2. Batra G.S.(2002) Development of Entrepreneurship, Deep & Deep, Delhi.
3. Gupta, C. B. and Khanka, S.S (1996) Entrepreneurship and small Business Management, S. Chand, New Delhi.
4. Gupta, C.B. and Srinivasan, N.P, (1992) Entrepreneurship Development, S. Chand, New Delhi.
5. Khanka, S.S (2010) Entrepreneurship Development, S. Chand, New Delhi.
6. Monica Loss and Bascunan, F.L. (2011) Entrepreneurship Development, Global Vision, New Delhi.
7. Robert, D. Hisrich et al. (2013) Entrepreneurship, Tata McGraw Hill, New Delhi.
8. Vasant., Desai. (1992) Dynamics of Entrepreneurial Development, Prentice Hall, New Delhi.
9. Vinod, Gupta, (1999) Formulation of a Project, National Institute for Entrepreneurship Small Business Development, NIESBUD, New Delhi.
10. Wilfred, P. (2013) Entrepreneurship in Management, Pearl Books, New Delhi.

**COURSE OUT COMES:(WITH MAPPING)**

| CO No. | CO-Statements                                                             | Cognitive Levels<br>(K –Levels) |
|--------|---------------------------------------------------------------------------|---------------------------------|
|        | On successful completion of this course, students will be able to         |                                 |
| CO-1   | Understand the role of entrepreneurship in Economic Development.          | K1                              |
| CO-2   | Become familiarized various theories of motivation.                       | K2                              |
| CO-3   | Identify and evaluate business opportunities.                             | K3                              |
| CO-4   | Understand how to prepare a business plan.                                | K4                              |
| CO-5   | Become familiarized to the various practical aspects of entrepreneurship. | K5                              |

**Mapping of Cos with Pos & PsoS**

| COs/POs        | (POs)     |           |           |           |            | (PSOs)    |           |           |            |            |
|----------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|------------|
|                | 1         | 2         | 3         | 4         | 5          | 1         | 2         | 3         | 4          | 5          |
| CO1            | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 2          | 2          |
| CO2            | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 2          |
| CO3            | 3         | 3         | 3         | 3         | 3          | 3         | 2         | 3         | 3          | 3          |
| CO4            | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| CO5            | 3         | 3         | 3         | 3         | 2          | 3         | 2         | 3         | 3          | 3          |
| <b>Total</b>   | <b>15</b> | <b>15</b> | <b>15</b> | <b>15</b> | <b>12</b>  | <b>15</b> | <b>10</b> | <b>15</b> | <b>14</b>  | <b>13</b>  |
| <b>Average</b> | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>3</b>  | <b>2.4</b> | <b>3</b>  | <b>2</b>  | <b>3</b>  | <b>2.8</b> | <b>2.6</b> |

**\*S. Strong (3)****\*M-Medium (2)****\*L -Low (1)**

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|                    |                 |                     |
|--------------------|-----------------|---------------------|
| <b>SECOND YEAR</b> | <b>PROJECT</b>  | <b>SEMESTER- IV</b> |
| <b>CODE:</b>       | <b>(THEORY)</b> | <b>CREDITS : 5</b>  |

Each candidate shall be required to take up a Project Work and submit it at the end of the final year. The Head of the Department shall assign the Guide who, in turn, will suggest the Project Work to the student in the beginning of the final year. A copy of the Project Report will be submitted to the University through the Head of the Department on or before the date fixed by the University.

The Project will be evaluated by an internal and an external examiner nominated by the University. The candidate concerned will have to defend his/her Project through a Viva-voce.

#### **ASSESSMENT/EVALUATION/VIVA-VOCE:**

##### **1. PROJECT REPORT EVALUATION (Both Internal & External):**

- |                                                                                                                                    |          |
|------------------------------------------------------------------------------------------------------------------------------------|----------|
| I. Plan of the Project                                                                                                             | -20marks |
| II. Execution of the Plan/collection of Data / Organisation of Materials / Hypothesis, Testing etc and presentation of the report. | -45marks |
| III. Individual initiative                                                                                                         | -15marks |

##### **2. VIVA-VOCE/INTERNAL&EXTERNAL** -20marks

**TOTAL** -100 marks

#### **PASSING MINIMUM:**

|         |                                                          |                                                              |
|---------|----------------------------------------------------------|--------------------------------------------------------------|
| Project | Viva-Voce 20 Marks<br>40% out of 20 Marks (i.e. 8 Marks) | Dissertation 80 Marks<br>40% out of 80 marks (i.e. 32 marks) |
|---------|----------------------------------------------------------|--------------------------------------------------------------|

A candidate shall be declared to have passed in the Project work if he/she gets not less than 40% in each of the Project Report and Viva-voce but not less than 50% in the aggregate of both the marks for Project Report and Viva-voce.

A candidate who gets less than 40% in the Project must resubmit the Project Report. Such candidates need to defend the resubmitted Project at the Viva-voce within a month. A maximum of 2 chances will be given to the candidate.

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|                    |                                                      |                     |
|--------------------|------------------------------------------------------|---------------------|
| <b>SECOND YEAR</b> | <b>VALUE ADDED COURSE-II<br/>FINANCIAL ECONOMICS</b> | <b>SEMESTER- IV</b> |
| <b>CODE:</b>       | <b>(THEORY)</b>                                      | <b>CREDITS:2</b>    |

## **OBJECTIVES**

- To learn about the Investment Theory and Structure of Interest rates
- To know the Valuation of Bonds and Securities
- To understand the Risk and Return
- To examine the Cost of Capital and Capital Asset Pricing Model
- To learn about the Derivative Markets

**Unit I: Investment Theory and Structure of Interest rates** Introduction to financial economics, Time Value of Money: Future Value, Present Value, Future value of an annuity, Present value of annuity, Present rate of perpetuity. Investment Criteria: Net Present Value, Benefit Cost Ratio, Internal Rate of Return, Modified Internal Rate of Return.

### **Unit II: Valuation of Bonds and Securities**

Fundamentals of Valuation of Securities: Valuation of Bonds and Stocks; Bond Yield, Yield to Maturity. Equity Valuation: Dividend Discount Model, The P/E Ratio Approach; Irrelevance of Dividends: Modigliani and Miller Hypothesis.

### **Unit III: Risk and Return**

Types of risk, Historical returns and Risk, computing historical returns, average annual returns, variance of returns, Measurement of Risk and Return of an asset, Measurement of Risk and Return of a Portfolio, Determinants of Beta, Risk-Return trade off.

### **Unit IV: Cost of Capital and Capital Asset Pricing Model**

The Cost of Capital: Debt and equity; Cost of Debt, Cost of Preference Capital and Equity Capital. The capital market line; the capital asset pricing model; the beta of an asset and of a portfolio; security market line; use of the CAPM model in investment analysis and as a pricing formula.

### **Unit V: Derivative Markets**

An introduction to financial derivatives: Types and uses of derivatives; Forward Contracts: determination of forward prices, Futures Contract: theories of future prices- the cost of carry model, the expectation model, capital asset pricing model. Relation between Spot and Future Prices, forward vs future contract, Hedging in Futures; Options: types, value of an option, the Pay-Offs from Buying and Selling of Options; the Put Call Parity Theorem; Binomial option pricing model (BOPM) and Black-Scholes option pricing model.

## References

1. L. M. Bhole and J. Mahukud, Financial Institutions and Markets, Tata McGraw Hill, 5th edition, 2011.
2. Hull, John C., Options, Futures and Other Derivatives, Pearson Education, 6th edition, 2005.
3. David G. Luenberger, Investment Science, Oxford University Press, USA, 1997.
4. Thomas E. Copeland, J. Fred Weston and Kuldeep Shastri, Financial Theory and Corporate Policy, Prentice Hall, 4th edition, 2003.
5. Richard A. Brealey and Stewart C. Myers, Principles of Corporate Finance, McGraw Hill, 7th edition, 2002.
6. Stephen A. Ross, Randolph W. Westerfield and Bradford D. Jordan, Fundamentals of Corporate Finance. McGraw-Hill, 7th edition, 2005.

## COURSE OUT COMES: (WITH MAPPING)

| CO No. | CO-Statements                                                     | Cognitive Levels<br>(K-Levels) |
|--------|-------------------------------------------------------------------|--------------------------------|
|        | On successful completion of this course, students will be able to |                                |
| CO-1   | learn about the Investment Theory and Structure of Interest rates | K1                             |
| CO-2   | know the Valuation of Bonds and Securities                        | K2                             |
| CO-3   | understand the Risk and Return                                    | K3                             |
| CO-4   | examine the Cost of Capital and Capital Asset Pricing Model       | K4                             |
| CO-5   | learn about the Derivative Markets                                | K5                             |

## Mapping of Cos with Pos & PsoS

| COs/POs | (POs) |    |    |    |     | (PSOs) |    |    |     |     |
|---------|-------|----|----|----|-----|--------|----|----|-----|-----|
|         | 1     | 2  | 3  | 4  | 5   | 1      | 2  | 3  | 4   | 5   |
| CO1     | 3     | 3  | 3  | 3  | 2   | 3      | 2  | 3  | 2   | 2   |
| CO2     | 3     | 3  | 3  | 3  | 3   | 3      | 2  | 3  | 3   | 2   |
| CO3     | 3     | 3  | 3  | 3  | 3   | 3      | 2  | 3  | 3   | 3   |
| CO4     | 3     | 3  | 3  | 3  | 2   | 3      | 2  | 3  | 3   | 3   |
| CO5     | 3     | 3  | 3  | 3  | 2   | 3      | 2  | 3  | 3   | 3   |
| Total   | 15    | 15 | 15 | 15 | 12  | 15     | 10 | 15 | 14  | 13  |
| Average | 3     | 3  | 3  | 3  | 2.4 | 3      | 2  | 3  | 2.8 | 2.6 |

**\*S. Strong (3)**

**\*M-Medium (2)**

**\*L -Low (1)**

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