# PG & RESEARCH DEPARTMENT OF ECONOMICS
# BISHOP HEBER COLLEGE (AUTONOMOUS)
## TIRUCHIRAPPALLI – 620017

# B.A. ECONOMICS

## 2023-2024
## (Admitted Students)

**CHOICE BASED CREDIT SYSTEM AND LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK BASED B.A. ECONOMICS SYLLABUS**
**(TANSCHE)**



# BISHOP HEBER COLLEGE (AUTONOMOUS)
**(Reaccredited with 'A' Grade (CGPA- 3.58/4.0) by NAAC &**
**Identified as College of Excellence by the UGC)**
**DST – FIST Sponsored College & DBT Star College**
## TIRUCHIRAPPALLI – 620017
## TAMIL NADU, INDIA

## 2023-2024

# PG AND RESEARCH DEPARTMENT OF ECONOMICS
# BISHOP HEBER COLLEGE (AUTONOMOUS)
# TIRUCHIRAPPALLI - 620 017

# OBE – SYLLABUS (2023-24)

## Vision

Impart life-oriented education in Economics for the holistic development of the students and to develop outstanding professionals to meet the global challenges through academic excellence in teaching, learning and research.

## Mission

- Incorporate independent learning experiences in the field of economics through value based education with academic excellence and innovation in research.
- Prepare socially and economically disadvantaged sections of students to contribute towards the development of the country.

## Programme Outcomes:

On successful completion of the programme the under graduant of Economics will be able to:

**PO1: Knowledge of Economics:** Ability to understand Economic Theories and functioning of Economic Models. To develop an adequate competency in the Economic Theory and Methods.

**PO2: Analytical Reasoning and Critical Thinking:** Critically Analyze and assess the way in which economists examine the real world to understand the current events and evaluate specific proposals.

**PO3: Logical Reasoning and Quantitative Ability:** Ability to understand how to collect and analyse data and use empirical evidence to evaluate the validity of hypothesis, using Quantitative Methodology and conduct data analysis to interpret results.

**PO4: Communication and Research Skills:** Communication and Research related skills. Developing a sense of capability for relevant/appropriate inquiry and asking questions, synthesising and articulating and reporting results and to efficiently communicate thoughts and ideas in a clear and concise manner.

**PO5: Gender, Environment and Sustainability:** Comprehend the Environmental issues and Sustainable Development and strive to achieving economic and social equity for women and be Gender Sensitive.

**PO6: Employability and Leadership Skills:** Become empowered individuals to be employed in various positions in industry, academia and research and have the potential to become Entrepreneurs and take leadership roles in their chosen occupations and communities.

**PO7**: **Social Interaction**: Acquire the ability to engage in relevant conversations and have the ability to understand the views of society that would help initiate policy making.

**PO8:** Digital Literacy and Lifelong Learning: Capability to use ICT tools in a variety of learning situation and use appropriate software for analysis of data **-** Ability to acquire Knowledge situations and skills for life through self directed learning and adapt to different learning environments.

**Programme Specific Outcomes:**

On successful completion of the course the learners will be able to

**PSO1**: To enable students to apply basic microeconomic, macroeconomic and monetary concepts and theories in real life and decision making.

**PSO 2**: To sensitize students to various economic issues related to Development, Growth, International Economics, Sustainable Development and Environment.

**PSO 3**: To familiarize students to the concepts and theories related to Finance, Investments and Modern Marketing.

**PSO 4**: Evaluate various social and economic problems in the society and develop answer to the problems as global citizens.

**PSO 5:** Enhance skills of analytical and critical thinking to analyze effectiveness of economic policies.

|  | **PO 1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** |
|---|---|---|---|---|---|---|---|---|
| **PSO 1** | Y | Y | Y | Y | Y | Y | Y | Y |
| **PSO 2** | Y | Y | Y | Y | Y | Y | Y | Y |
| **PSO3** | Y | Y | Y | Y | Y | Y | Y | Y |
| **PSO 4** | Y | Y | Y | Y | Y | Y | Y | Y |
| **PSO 5** | Y | Y | Y | Y | Y | Y | Y | Y |

**3 – Strong, 2- Medium, 1- Low**

## Credit Distribution for UG Programme in Economics

| Sem I | Credit | Sem II | Credit | Sem III | Credit | Sem IV | Credit | Sem V | Credit | Sem VI | Credit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.1. Language | 3 | 2.1. Language | 3 | 3.1. Language | 3 | 4.1. Language | 3 | 5.1 Core Course – \CC IX | 4 | 6.1 Core Course – CC XIII | 4 |
| 1.2 English | 3 | 2.2 English | 3 | 3.2 English | 3 | 4.2 English | 3 | 5.2 Core Course – CC X | 4 | 6.2 Core Course – CC XIV | 4 |
| 1.3 Core Course – CC I | 4 | 2.3 Core Course – CC III | 4 | 3.3 Core Course – CC V | 4 | 4.3 Core Course – CC VII Core Industry Module | 4 | 5. 3.Core Course CC -XI | 4 | 6.3 Core Course – CC XV | 4 |
| 1.4 Core Course – CC II | 4 | 2.4 Core Course – CC IV | 4 | 3.4 Core Course – CC VI | 4 | 4.4 Core Course – CC VIII | 4 | 5. 3.Core Course –/ Project with viva-voce CC -XII | 4 | 6.4 Elective -VII Generic/ Discipline Specific | 3 |
| 1.5 Elective I Generic/ Discipline Specific | 3 | 2.5 Elective II Generic/ Discipline Specific | 3 | 3.5 Elective III Generic/ Discipline Specific | 3 | 4.5 Elective IV Generic/ Discipline Specific | 3 | 5.4 Elective V Generic/ Discipline Specific | 3 | 6.5 Elective VIII Generic/ Discipline Specific | 3 |
| 1.6 Skill Enhancement Course SEC-1 (NME) | 2 | 2.6 Skill Enhancement Course SEC-2 (NME) | 2 | 3.6 Skill Enhancement Course SEC-4, (Entrepreneurial Skill) | 1 | 4.6 Skill Enhancement Course SEC-6 | 2 | 5.5 Elective VI Generic/ Discipline Specific | 3 | 6.6 Extension Activity | 1 |
| | | 2.7 Skill Enhancement Course –SEC-3(NME) | 2 | 3.7 Skill Enhancement Course SEC-5 | 2 | 4.7 Skill Enhancement Course SEC-7 | 2 | 5.6 Value Education | 2 | 6.7 Professional Competency Skill | 2 |
| 1.7Ability Enhancement Compulsory Course (AECC) Soft Skill-1 | 2 | 2.8 Ability Enhancement Compulsory Course (AECC) Soft Skill-2 | 2 | 3.7 Ability Enhancement Compulsory Course (AECC) Soft Skill-3 | 2 | 4.7 7Ability Enhancement Compulsory Course (AECC) Soft Skill-4 | 2 | 5.5 Summer Internship /Industrial Training | 2 | | |
| 1.8 Skill Enhancement - (Foundation Course) | 2 | | | 3.8 E.V.S | - | 4.8 E.V.S | 2 | | | | |
| | 23 | | 23 | | 22 | | 25 | | 26 | | 21 |
| | | | | | | Total CreditPoints | | | | | 140 |

# CREDIT DISTRIBUTION FOR B.A. ECONOMICS

## B.A., ECONOMICS CREDIT DISTRIBUTION

| Sem | Part | Course | List of Courses | Course Code | Hours/ Week | Credits |
|---|---|---|---|---|---|---|
| I | I | Language | **nghJj;jkpo; I** | U23TM1L1 | 6 | 3 |
| | II | English | Pros and short stories | U23EG1L1 | 6 | 3 |
| | III | Core I | Microeconomics-I | U23EC101 | 5 | 5 |
| | | Core II | Statistics for Economics-I | U23EC102 | 5 | 5 |
| | | Elective I | Fundamentals of Management | U23EC1:A | 4 | 3 |
| | IV | SEC-I | Demography | U23EC1E1 | 2 | 2 |
| | | FC | Business Communication | U23EC1N1 | 2 | 2 |
| | | | | | **30** | **23** |
| II | I | Language II | **nghJj;jkpo; II** | U23TM2L2 | 6 | 3 |
| | II | English II | Poetry and Shakespeare | U23EG2L2 | 6 | 3 |
| | III | Core III | Microeconomics-II | U23EC203 | 5 | 5 |
| | | Core IV | Statistics for Economics-II | U23EC204 | 5 | 5 |
| | | Elective II | History of Economic Thought | U23EC2:A | 4 | 3 |
| | IV | SEC II | Economics for Investors | U23EC2E2 | 2 | 2 |
| | | SEC III | Computer Application in Economics | U23ECPS3 | 2 | 2 |
| | | | **TOTAL** | | **30** | **23** |
| III | I | Language III | **nghJj;jkpo; III** | U23TM3L3 | 6 | 3 |
| | II | English III | One Act Plays and Abridged Novel | U23EG3L3 | 6 | 3 |
| | III | Core V | Macroeconomics-I | U23EC305 | 5 | 5 |
| | | Core VI | Mathematics for Economics | U23EC306 | 5 | 5 |
| | | Elective III | Economics of Tourism | U23EC3:A | 4 | 3 |
| | IV | SEC IV | Entrepreneurial Economics | U23EC3S4 | 1 | 1 |
| | | SEC V | Event Management (Entrepreneurial Skills) | U23EC3SA | 2 | 2 |
| | | EVS I | Environmental Studies | U23EST41 | 1 | -- |
| | | | **TOTAL** | | **30** | **22** |
| IV | I | **Language IV** | **nghJj;jkpo; IV** | U23TM4L4 | 6 | 3 |
| | II | English IV | Language through literature | U23EG4L4 | 6 | 3 |
| | III | Core VII | Macroeconomics-II | U23EC407 | 5 | 5 |
| | | Core VIII | Indian Economy | U23EC408 | 5 | 5 |
| | | Elective IV | Research Methods in Economics | U23EC4:A | 3 | 3 |
| | IV | SEC VI | Life Skill | U23EC4SP | 2 | 2 |
| | | SEC VII | Service Learning (Rural Economy) (C2C) | U23EC4S7 | 2 | 2 |
| | | EVS II | Environmental Studies | U23EST41 | 1 | 2 |
| | **TOTAL** | | | | **30** | **25** |

| Sem. | Part | Course | List of Courses | Course Code | Hours/ Week | Credits |
|---|---|---|---|---|---|---|
| **V** | **III** | Core IX | Monetary Economics | U23EC509 | 5 | 4 |
| | | Core X | Fiscal Economics | U23EC510 | 5 | 4 |
| | | Core XI | Industrial Economics | U23EC511 | 5 | 4 |
| | | Core XII | Project (Individual) | U23EC512 | 5 | 4 |
| | | **Elective V** | Tamil Nadu Economy | U23EC5D1 | 4 | 3 |
| | | EVI | Gender Economics | U23EC5D3 | 4 | 3 |
| | **IV** | **VLO** | Abundant Life | U23VLO51 | 2 | 2 |
| | | | Human Values | U23VLO52 | | |
| | | **Internship** | Summer Internship/Industrial Visit | U23EC5I1 | -- | 2 |
| | | | | | **30** | **26** |
| | | | | | | |
| **VI** | **III** | Core XIII | International Economics | U23EC613 | 6 | 4 |
| | | Core XIV | Development Economics | U23EC614 | 6 | 4 |
| | | Core XV | Agricultural Economics | U23EC615 | 6 | 4 |
| | | **Elective VII** | Basic Econometrics | U23EC6D1 | 5 | 3 |
| | | **Elective VIII** | Financial Markets and Institutions | U23EC6D4 | 5 | 3 |
| | | PCS | Professional Competency Skill | U23EC6G1 | 2 | 2 |
| | **V** | | Extension Activity | U23ETA61 | -- | 1 |
| | | | **Total** | | **30** | **21** |

# FIRST YEAR –SEMESTER- I

**Semester I**                                           **Code: U23EC101**
**Hours / Week: 5**                                      **Credits: 5**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst.Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **MICROECONOMICS-I** | Core-I | | | | | 4 | 5 | 25 | 75 | 100 |
| | **Learning Objectives** | | | | | | | | | | |
| C1 | To Equip the economic behaviours of individual units of the society. | | | | | | | | | | |
| C2 | To describes the consumer behaviour and utility analysis | | | | | | | | | | |
| C3 | To impart knowledge on demand and supply concepts | | | | | | | | | | |
| C4 | To identify the relevance of Production and returns to scale of Production | | | | | | | | | | |
| C5 | To know the costs and profit maximisation | | | | | | | | | | |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Basic Concepts**<br>Definitions of Economics– Nature and Scope of Microeconomics – Positive and Normative Approaches- Inductive and Deductive Approaches - Consumers and Firms –Decision Making–Rationality: Self-Interest – Trade-offs –Fundamental Economic Problems -Market Mechanism and Resource Allocation. | 15 |
| II | **Utility Analysis**<br>Utility–Ordinal and Cardinal Utility–Total and Marginal Utility – Law of Diminishing Marginal Utility - Law of Equi-Marginal Utility-Indifference Curves–Properties–Marginal Rate of Substitution- Budget Line – Price and Substitution Effects-Optimal Consumer Choice – Revealed Preference Theory – Samuelson and Hicks' Approach | 18 |
| III | **Demand and Supply Analysis**<br>Demand – Types of Goods -Law of Demand – Determinants – Exceptions – Giffen Paradox – Veblen Effect- Elasticity of Demand: Types - Engel's Law -Supply – Law of Supply –Determinants – Elasticity of Supply and its Types- Market Equilibrium -  Consumer Surplus and Producer Surplus | 15 |
| IV | **Production Analysis**<br>Production Function– Law of Variable Proportions- Laws of Returns to Scale-Iso-quant's-Types of Production Function – Cobb -Douglas and Constant Elasticity of Substitution(CES) Production Function – Economies and Diseconomies of Scale | 15 |
| V | **Cost and Revenue Concepts:** Costs – Fixed and Variable Costs - Average, Marginal, and Total Costs – Short Run and Long Run Costs – Implicit, Explicit, Sunk and Imputed Cost – Revenue – Total, | 12 |

| | Average and Marginal Revenue –Relationship between AR, MR and Elasticity of Demand- Profit Maximization Rule. | |
|---|---|---|
| | **Total** | **75** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1. | Understand the meaning of basic concepts and the need for the study of Microeconomics. | PO1,PO2 |
| 2. | Evaluate the Types of Utility and Consumer Behaviour. | PO2,PO3 |
| 3. | Acquire knowledge on various market equilibrium, Demand and Supply Functions | PO1,PO2 |
| 4. | To understand the meaning of Production Functions | PO1 |
| 5. | To understand the theory of firms, Cost and Revenue | PO1 |

| | Textbooks | |
|---|---|---|
| 1. | Robert Pindyck and Daniel L.Rubinfield,(2001) Micro Economics, Macmillan | |
| 2. | Hal R. Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi) | |
| 3. | Paul Krugman and Robin Wells, Micro Economics, Worth Publishers, 2020. | |
| 4. | Ahuja H.L (2016) Principles of Microeconomics, S.Chand | |
| 5. | Timothy Taylor,Steven A Greenlaw and David Shapiro (2017) Principles of Economics, 12th Media Services. | |

| | Reference Books | |
|---|---|---|
| 1. | Koutsoyiannis (2003), Modern Microeconomics Palgrave Macmillan (UK) 2ndEdition. | |
| 2. | Gregory Mankiw (2012), Principlesof Microeconomics Cengage India**.** | |
| 3. | Dwivedi, D.N(2002), Microeconomics: Theory and Applications, 2nd ed., Pearson | |
| 4. | Ferguson C.E. (1970), Micro Economic Theory, (Homewood, U.S.A) | |
| 5. | Karl E.Case and Ray C Fair (2007), Principles of Economics, Pearson Prentice Hall Inc Singapore South Asia | |

| | Web Resources | |
|---|---|---|
| 1. | http://www.econlib.org/library/enc/microeconomics.html | |
| 2. | https://www.tutor2u.net/economics | |
| 3. | https://www.economicsnetwork.ac.uk/ | |
| 4. | https://www.cliffsnotes.com/study-guides/economics/introduction/microeconomics | |
| 5. | http://neconomides.stern.nyu.edu/networks/micnotes/micnotes.pdf | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 |
| **CO 5** | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 |
| Weightage | 14 | 14 | 14 | 14 | 13 | 15 | 13 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 3.00 | 2.6 | 3.00 |

**S-Strong-3   M-Medium-2     L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 2 | 2 |
| **CO2** | 3 | 3 | 2 | 2 | 2 |
| **CO3** | 3 | 3 | 3 | 3 | 3 |
| **CO4** | 3 | 3 | 3 | 2 | 2 |
| **CO5** | 3 | 3 | 3 | 2 | 2 |
| **Weightage** | 15 | 15 | 14 | 11 | 11 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 3 | 2.8 | 2.2 | 2.2 |

# FIRST YEAR –SEMESTER- I

**Semester I**                                                                 **Code: U23EC102**
**Hours / Week: 5**                                                      **Credits: 5**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **STATISTICS FOR ECONOMICS –I** | Core-II | | | | | 4 | 5 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | | |
| C1 | To know the nature and scope of statistics and its applications | | | | | | | | | | |
| C2 | To teach students Collection, Classification, Analyzing and Presentation of data. | | | | | | | | | | |
| C3 | To apply the measures of central tendency | | | | | | | | | | |
| C4 | To draw measurement of dispersion and its applications | | | | | | | | | | |
| C5 | To analyse correlation and regression and its applications | | | | | | | | | | |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Introduction and Collection of Data**<br>Introduction – Nature and Scope of Statistics – Uses and Limitations of Statistics – Data Collection – Primary and Secondary Data –Tools for collecting Primary Data – Requisites of Good Questionnaire – Sources of Secondary Data. | 15 |
| II | **Classification and Presentation of Data**<br>Classification and Tabulation of Data– Types - Frequency Distribution — Cumulative Frequency Distribution- Class Interval – Diagrams – Types-Graphical Representation– Histogram – Frequency Polygon - Ogive Curve - Lorenz Curve. | 15 |
| III | **Measures of Central Tendency**<br>Measures of Central Tendency- Requisites of a Good Average – Arithmetic Mean, Median, and Mode – Relative Merits and Demerits. | 15 |
| IV | **Measures of Dispersion**<br>Absolute and Relative Measures of Dispersion – Range – Quartile Deviation – Mean Deviation – Standard Deviation – Variance - Coefficient of Variation –-Skewness and Kurtosis. | 15 |
| V | **Correlation and Regression**<br>Correlation – Types of Correlation – Methods -Karl Pearson's Co-efficient of Correlation –- Spearman's Rank Correlation – Regression Equations – Distinction between Correlation and Regression Analysis. | 15 |
| **Total** | | **75** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Understand the overview of statistics and basic knowledge of statistical tools. | PO1, PO3,PO8 |
| 2 | Differentiate Types of Data and its Classification | PO1,PO2, PO3,PO8 |
| 3 | Explain the concept of Averages and its application | PO1, PO2,PO3 |
| 4 | Know the concept of Dispersion and its application | PO1, PO2,PO3 |
| 5 | Calculate Correlation and estimate values using Regression | PO3,PO7,PO8 |

| | **Textbooks** |
|---|---|
| 1 | Gupta. S.P (2005) Statistical Methods, Sultan Chand and Sons, New Delhi. |
| 2 | Sancheti. D.C and Kapoor V.K(2005) Statistical Theory Method and Application, Sultan Chand and Sons, New Delhi. |
| 3 | Dr.T.K.V.Iyengar, Dr.B.Krishna Gandhi S.Ranganantham, Dr.M.V.S.S.N Prasad, Probability and Statistics, S.Chand and Co, 2020. |
| 4 | Prof S.G.Vekatachalapathy and Dr.H.Premraj (2018) Statistical Methods Margham Publications. |
| 5 | Dominick Salvatore and Derrick Reagle,theory and problems of statistics andeconometrics, Mc Graw Hill, (2002) |

| | **Reference Books** |
|---|---|
| 1. | Saxena H.C , (2016) Elementary Statistics, S Chand and Company New Delhi. |
| 2. | Elhance D.N, (2004), Fundamentals of Statistics Kitab Mahal, New Delhi |
| 3. | Manoharan M (2010), "Statistical Methods", Palani Paramount Publications, Palani. |
| 4. | R.S.N.Pillai and V. Bagavathi(2010), Statistics, Sultan Chand and Sons, New Delhi |
| 5. | Dr.S.Sachdeva ( 2014) Statistics -Lakshmi Narain Agarwal. |

| | **Web Resources** |
|---|---|
| 1. | https://www.cuemath.com/data/statistics/ |
| 2. | https://stattrek.com/statistics/resources |
| 3. | https://testbook.com/learn/maths-mean-median-mode/ |
| 4. | https://www.statistics.com/ |
| 5. | https://thisisstatistics.org/students/ |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 |
| **CO 5** | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| Weightage | 15 | 14 | 14 | 14 | 14 | 15 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.00 | 2.8 | 2.8 | 2.8 | 2.8 | 3.00 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 3 | 3 |
| **CO2** | 3 | 3 | 3 | 3 | 3 |
| **CO3** | 3 | 3 | 3 | 3 | 3 |
| **CO4** | 3 | 3 | 3 | 3 | 3 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 15 | 15 | 15 | 15 | 15 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 3 | 3 | 3 | 3 |

**Strong-3      M-Medium-2   L-Low-1**

# FIRST YEAR –SEMESTER- I

**Semester I**                                                    **Code: U23EC1:A**
**Hours / Week: 4**                                            **Credits: 3**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **Fundamentals of Management** | **Generic Elective-I** | | | | | 3 | 4 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | | |
| C1 | To provide students with the basic concepts of Management. | | | | | | | | | | |
| C2 | To probe the planning concepts and its objectives | | | | | | | | | | |
| C3 | To analyze the Organizational Levels in an Organization | | | | | | | | | | |
| C4 | To describes the motivation and satisfaction and its elements | | | | | | | | | | |
| C5 | To know the importance of Quality Checks. | | | | | | | | | | |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Introduction**                                                    Management – Definition-scope – Schools of Thought in Management-Levels of Management-Role and Functions of a Manager | 15 |
| II | **Planning** Planning: Concept, Objectives, Nature, Limitation, Process of planning, Importance, Forms, Techniques and Process of decision making. | 15 |
| III | **Organisational Levels** Types of Business Organizations – Structure- Span of Control – Departmentalisation-Selection, Training and Development, Performance Management, Career Planning ,and Management | 15 |
| IV | **Directing** Creativity and Innovation – Motivation and Satisfaction – Organization Culture – Elements and Types of Culture – Managing Cultural Diversity. | 15 |
| V | **Controlling** Process of Controlling – Types of Control – Budgetary and non-budgetary, Control Techniques – Managing Productivity – Cost Control – Purchase Control –Maintenance Control – Quality Control – Planning Operations. | 15 |
| **Total** | | **75** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Understand the foundations and importance of Management. | PO1 |
| 2 | Demonstrate an understanding of Planning | PO2,PO3 |
| 3 | Analyze the organisational levels and Process of selection | PO1,PO2,PO3 |
| 4 | Discuss the relevance of Organizational Culture | PO1,PO2, |
| 5 | Examine the importance of quality control | PO4 |

| | Textbooks |
|---|---|
| 1. | Stephen A. Robbins & David A. Decenzo & Mary Coulter,(2011) "Fundamentals of Management" 7th Edition, Pearson Education |
| 2. | Tripathy PC & Reddy PN,(1999) "Principles of Management", Tata McGraw Hill. |
| 3. | Pillai R.S.N and Kala .S (2013) Principles And Practice Of Management S.Chand& Co andCompany. |
| 4. | Ricky Griffin, "Fundamentals of Management", Cengage Learning, (2016) |
| 5. | Pardeep Kumar and Amanjot Sachdeva, "Fundamentals of Management",S. Chand Publishing, (2012) |
| | **Reference Books** |
| 1. | Dr. C.B. Gupta and Dr. Shruti Mathur (2022) Management Principles andApplications ,Scholar Tech Press |
| 2. | Neeru Vasisth and Vibhuti Vasishth(2019)Principles of Management Text & Cases ,Taxman Publication |
| 3 | R.C Bhatiya, "Fundamentals of Management", S.K Kataria &Sons, 2013 |
| 4 | L.M Prasad, "Principles and Practice of Management,2021 |
| 5 | Dr.N.Mishra and Dr.O.P.Gupta, "Fundamentals of Management", SBPD Publishing House, 2022 |
| | **Web Resources** |
| 1. | http://www.mim.ac.mw/books/Fundamentals%20of%20Management.pdf |
| 2. | https://theintactone.com/2019/09/18/fom-u1-topic-1-fundamentals-of-management-introduction-and-concepts/ |
| 3. | https://rccmindore.com/wp-content/uploads/2015/06/Fundamentals-of-Management.pdf |
| 4. | https://in.sagepub.com/en-in/sas/journal-of-management/journal201724 |
| 5. | https://www.managementstudyhq.com/evolution-management-thought-theories.html |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| **CO 5** | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 |
| Weightage | 15 | 14 | 15 | 14 | 14 | 14 | 15 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 2.8 | 3.0 | 2.8 | 2.8 | 2.8 | 3.0 | 3.00 |

**S-Strong-3    M-Medium-2    L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 2 | 2 |
| **CO2** | 3 | 3 | 3 | 2 | 3 |
| **CO3** | 3 | 3 | 3 | 2 | 3 |
| **CO4** | 3 | 3 | 2 | 2 | 2 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 15 | 15 | 14 | 11 | 13 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 3 | 2.8 | 2.2 | 2.6 |

**Strong-3        M-Medium-2   L-Low-1**

# FIRST YEAR –SEMESTER- I

**Semester I**
**Hours / Week: 2**

**Code: U23EC1E1**
**Credits: 2**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **DEMOGRAPHY** | **SEC-I** | | | | | 2 | 75 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | |
| C1 | To understand the meaning and scope of demography | | | | | | | | | | |
| C2 | To discuss the basic concepts of demographic measurements. | | | | | | | | | | |
| C3 | To describes the concepts of urbanisation and migration | | | | | | | | | | |
| C4 | To evaluate the international aspects of population growth and tis environment | | | | | | | | | | |
| C5 | To analyse the trends in population policy in India | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | **No. of Hours** | |
| I | **Introduction**<br>Meaning Scope of Demography – Components of Population Growth – Theories of Population: Malthusian Theory, Optimum Theory and Theory of Demographic Transition. | | | | | | | | | 15 | |
| II | **Birth Rate, Death Rate and Fertility**<br>Census Data - Life Tables: Meaning and Uses – Reproductive and Child Health in India – Temporal and Spatial Variation in Sex Ratios – Crude Birth and Death Rate- Age Specific Birth and Death Rates – Standardized Birth and Death Rates –Fertility – Total Fertility Rate – Gross Reproduction Rate – Net Reproduction Rate | | | | | | | | | 16 | |
| III | **Migration and Urbanisation**<br>Migration and Urbanisation – Concept - Types of Migration- Effects of Migration and Urbanisation on Population— Recent Trends in Migration. | | | | | | | | | 14 | |
| IV | **Population Trends**<br>Population Trends– International Aspects of Population Growth and Distribution – Population and Environment Pattern of Age and Sex Structure in Developed and Developing Countries – Age Pyramids and Projections. | | | | | | | | | 15 | |
| V | **Population Policy in India**<br>Population Policy in India and its Evaluation – Population and Strategies for Human Development of Different Social Groups – National Population Commission – Demographic Dividend – National Youth Policy. | | | | | | | | | 15 | |
| | **Total** | | | | | | | | | **75** | |

| Course Outcomes | | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Describe the various theories of Population Growth | PO1, PO7 |
| 2 | Understand Demographic Indicators | PO2, PO3 |
| 3 | Assess the causes and impact of Migration on rural-urban population distribution | PO2,PO7 |
| 4 | Analyse the major demographic trends and their determinants | PO1,PO2 |
| 5 | Evaluate Population Policy of India and analyse recent trends. | PO1,PO2,PO3 |

**Textbooks**

| | |
|---|---|
| 1 | Jhingan, M. L, B.K. Bhatt, J.N. Desan (2003) Demography, Vrinda Publications, New  Delhi |
| 2 | Rajendra K. Sharma (2007), Demography and Population Problems, Atlantic Publishers and Distributors Pvt. Ltd. |
| 3. | Jennifer Hickes Lundquist, Douglas L. Anderton and David Yaukey, "Demography: The Study of Human Population", Waveland Press Inc, 2015 |
| 4. | Dudley L. Poston, Jr. and Leon F. Bouvier, "Population and Society: An Introduction to Demography", Cambridge University Press, 2015 |
| 5. | Richard.K Thomas, "Concepts, Methods and Practical Applications in Applied Demography", Springer,2018 |

**Reference Books**

| | |
|---|---|
| 1. | Agarwala S.N. (1985), India's Population Problem, Tata McGraw-Hill, Bombay. |
| 2. | Bhende, A. and T.R. Kanitkar (1982), Principles of Population Studies,  Himalaya Publishing House, Bombay. |
| 3. | Bogue, D.J. (1969), Principles of Demography, John Wiley, New York |
| 4. | Sarah Harper (2018), Demography: A Very Short Introduction, Oxford Press 2018. |
| 5. | Peter R. Cox, Demography- 5th Edition, Cambridge University Press. |

**Web Resources**

| | |
|---|---|
| 1. | https://data.worldbank.org/indicator/SP.POP.TOTL |
| 2. | https://www.iom.int/ |
| 3. | https://censusindia.gov.in |
| 4. | https://www.nationalgeographic.org/encyclopedia/demography/ |
| 5. | https://www.nature.com/scitable/knowledge/library/introduction-to-population-demographics-83032908/ |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 |
| **CO 5** | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 |
| Weightage | 15 | 14 | 15 | 14 | 14 | 15 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.00 | 3.00 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 2 | 2 |
| **CO2** | 3 | 3 | 3 | 2 | 2 |
| **CO3** | 3 | 3 | 3 | 3 | 3 |
| **CO4** | 3 | 2 | 2 | 3 | 3 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 15 | 14 | 14 | 13 | 13 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 2.8 | 2.8 | 2.6 | 2.6 |

**Strong-3        M-Medium-2   L-Low-1**

# FIRST YEAR-SEMESTER - I - SKILL ENHANCEMENT FOUNDATION COURSE

**Semester I**　　　　　　　　　　　　　　　　　　　　　　　**Code: U23EC1N1**
**Hours / Week: 2**　　　　　　　　　　　　　　　　　　　　　**Credits: 2**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **BUSINESS COMMUNICATION** | Skill Enhancement Foundation | | | | | 3 | 4 | 25 | 75 | 100 |

### Learning Objectives

| | |
|---|---|
| C1 | To know the meaning objectives and role of communication and media |
| C2 | To understand the need and importance of communication in management |
| C3 | To apply the need and function of business letter |
| C4 | To study the business correspondents with insurance and other organisation |
| C5 | To understand the meaning and importance of report writing |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Communication**<br>Communication: Meaning and Definition - Objectives - Role of Communication – Process and Elements of Communication - Communication Networks - Types and Media of Communication – Barriers to Communication - Characteristics for Successful Communication | 15 |
| II | **Communication in Management**<br>Management and Communication: Need and Importance of Communication in Management – Corporate Communication - Communication Training for Managers - Communication Structure in an Organization. | 15 |
| III | **Business Letters**<br>Business Letter: Need – Functions – Kinds – Essentials of effective Business Letter - Language and Layout – Planning, Enquiries and Replies - Sales Letter - Orders, Tender and Notice - Complaints - Letter of Appointment. | 18 |
| IV | **Correspondence**<br>Correspondence: Bank Correspondence - Insurance Correspondence – Agency Correspondence - Import-Export Correspondence | 15 |
| V | **Report Writing**<br>Report Writing: Meaning and Importance - Purpose - Types of Business Reports - Characteristics of a Good Report - Report Preparation - Report by Individual and Committees - Agenda and Minutes of Meeting. | 12 |
| | **Total** | **75** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1. | Understand the basics of communication and its Process, Elements, and its importance. | PO1,PO2 |
| 2. | Acquire communication skills. | PO1,PO4 |
| 3. | Employ the art of report preparation and writing Business Letters | PO2,PO6 |
| 4. | Use appropriate technology for business presentations and digital communication and write E-mails in a structured pattern. | PO5,PO6, PO8 |
| 5. | Employ the art of report preparation | PO4,PO6,PO7 |

**Textbooks**

| | |
|---|---|
| 1. | Korlahalli, J. S., & Pal, R. (1979) Essentials of Business Communication. S. Chand, New Delhi. |
| 2. | Kaul A, ( 2015 ) Effective Business Communication. Second Edition Prentice Hall India Learning Private Limited. |
| 3. | Raymond Lesikar and John Pettit, Jr.(2016) Report Writing for Business Mc Graw Hill Education |
| 4. | Scott Mclean,"Business Communication for Success", Flat World Knowlegde, 2010 |
| 5. | Virander K. Jain, "Business Communication", S. Chand Limited, 2008 |

**Reference Books**

| | |
|---|---|
| 1. | Kumar, R. (2010). Basic Business Communication. Excel Books India. |
| 2. | Bovee, C. L. (2008). Business Communication today. Pearson Education India. |
| 3. | Lesikar, R. V., & Pettit, J. D. (1989). Business communication: Theory and application. Irwin Professional Publishing. |
| 4. | Mary Ellen Guffy and Dana Loewy (2012) Essentials of Business Communication Cengage Learning |
| 5. | C.B.Gupta (2019) Essentials of Business Communication Cengage Learning India Pvt. Ltd |

**Web Resources**

| | |
|---|---|
| 1. | https://www.managementstudyguide.com/business_communication.htm |
| 2. | https://studiousguy.com/business-communication/ |
| 3. | https://www.indeed.com/career-advice/resumes-cover-letters/business-communication-skills |
| 4. | https://www.softskillsaha.com/what-is-meaning-of-business-communication-skills.php |
| 5. | https://www.mindtools.com/page8.html |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 |
| **CO 5** | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 |
| Weightage | 15 | 14 | 15 | 14 | 14 | 15 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.00 | 3.00 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 2 | 3 | 2 | 3 | 3 |
| **CO2** | 2 | 2 | 3 | 3 | 3 |
| **CO3** | 3 | 2 | 2 | 3 | 3 |
| **CO4** | 2 | 2 | 3 | 2 | 2 |
| **CO5** | 2 | 2 | 3 | 3 | 3 |
| **Weightage** | 11 | 11 | 13 | 14 | 14 |
| **Weighted percentage of Course Contribution to PSOs** | 2.2 | 2.2 | 2.6 | 2.8 | 2.8 |

**Strong-3       M-Medium-2   L-Low-1**

# FIRST YEAR - SEMESTER II

**Semester II**
**Hours / Week: 5**

**Code: U23EC203**
**Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | CIA | External | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Marks | | |
| | **MICROECONOMICS -II** | Core - III | | | | | 4 | 5 | 25 | 75 | 100 |

| | **Learning Objectives** |
|---|---|
| C1 | To equip the students to gain knowledge on the market structures |
| C2 | To analyse the monopoly and price discrimination in the market |
| C3 | To probe the monopolistic and oligopoly competitions and its operation |
| C4 | To enrich the students about the Theories of Distribution |
| C5 | To understand the concepts of Welfare Economics |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Perfect Competition**<br>Features of Perfect Competition – Equilibrium of the firm and the industry in the Short Run - Long-Run Equilibrium in Perfect Competition- Time Element Analysis. | 14 |
| II | **Monopoly and Price Discrimination**<br>Definition of Monopoly–Demand and Marginal Revenue - Equilibrium under Monopoly– Dead Weight Loss -Policies to Control Monopoly – Price Discrimination–First Degree, Second Degree and Third-Degree Price Discrimination – Dumping. | 15 |
| III | **Monopolistic and Oligopoly Competition**<br>Monopolistic Competition–Features– Product Differentiation– Market Equilibrium and Short Run and Long Run- Barriers to Entry – Group and Industry Equilibrium– Excess Capacity -Oligopoly – Kinked Demand Curve – Collusion – Cartels and Price Leadership – Game Theory – Minimax – Maximin – Nash Equilibrium. | 16 |
| IV | **Distribution Theory**<br>Functional and Personal Distribution – Marginal Productivity Theory of Distribution – Product Exhaustion Theorem - Concepts of VMP and MRP. | 14 |
| V | **Welfare Economics and General Equilibrium**<br>Welfare Criteria – Adam Smith – Edgeworth – Pareto - Kaldor – Market Failure – Externalities – Walrasian General Equilibrium – Static Properties for Consumption, Production, and Distribution. | 16 |
| | **Total** | **75** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Understand the equilibrium conditions in Perfect Competition. | PO1, PO2 |
| 2 | Analyze the equilibrium conditions under Monopoly Market Structure. | PO1,PO2 |
| 3 | Describe the Market Equilibrium under Monopolistic and Oligopoly Market. | PO1,PO2 |
| 4 | Know the importance of theories of Distribution. | PO1,PO2 |
| 5 | Evaluate the aspects of Welfare Economics and General Equilibrium. | PO2,PO3,PO7 |

**Textbooks**

| 1. | Robert Pindyck and Daniel L.Rubinfield,(2001) Micro Economics,Macmillan. |
|---|---|
| 2. | Hal R. Varian (2004), Intermediate Micro Economics East-West Press: New Delhi. |
| 3. | Walter Nicholson and Christopher Snyder, Micro Economic Theory - Basic Principles and Extensions, Cengage Learning India Pvt, Ltd, 12th Edition, 2016. |
| 4. | Paul Krugman and Robin Wells, Micro Economics, Worth Publishers, 2020. |
| 5. | Timothy Taylor,Steven A Greenlaw and David Shapiro (2017) Principles of Economics, 12th Media Services. |

**Reference Books**

| 1. | Koutsoyiannis (2003), Modern Microeconomics, Palgrave Macmillan (UK) 2nd Edition. |
|---|---|
| 2. | Gregory Mankiw (2012), Principles   of Microeconomics Cengage India. |
| 3. | Case & Fair, Principles of Economics Myeconlab series 8thEdn. |
| 4. | Mansfield, Edwin and Yohe, Gary (2010): Microeconomics 4th ed, Viva-Norton Indian Edition |
| 5. | Ferguson C.E. (1970), Micro Economic Theory, (Homewood, U.S.A) |

**Web Resources**

| 1. | https://open.umn.edu/opentextbooks/subjects/economics |
|---|---|
| 2. | https://global.oup.com |
| 3. | https://www.economicsnetwork.ac.uk |
| 4. | https://edge.sagepub.com/sextonmicro8e |
| 5. | https://www.aeaweb.org/resources/students |

**Mapping with Programme Outcomes:**

|        | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|--------|------|------|------|------|------|------|------|------|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 |
| **CO 5** | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 |
| Weightage | 14 | 15 | 14 | 15 | 14 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 3.00 | 2.8 | 3.00 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2    L-Low-1Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|--------|------|------|------|------|------|
| **CO1** | 3 | 3 | 3 | 3 | 2 |
| **CO2** | 3 | 3 | 3 | 2 | 2 |
| **CO3** | 3 | 3 | 3 | 2 | 3 |
| **CO4** | 3 | 3 | 3 | 2 | 2 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 15 | 15 | 15 | 12 | 12 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 3 | 3 | 2.4 | 2.4 |

**Strong-3      M-Medium-2   L-Low-1**

# FIRST YEAR - SEMESTER II

**Semester II**
**Hours / Week: 5**

**Code: U23EC204**
**Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | CIA | External | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **STATISTICS FOR ECONOMICS-II** | Core-IV | | | | | 4 | 5 | 25 | 75 | 100 |

| | **Learning Objectives** |
|---|---|
| C1 | To understand the various methods of index numbers and its applications |
| C2 | To analyse the components and measurement of time series data |
| C3 | To know the theories of probability and its applications |
| C4 | To probe the research design and sampling methods |
| C5 | To acquire knowledge on the application of test of Hypotheses in Research |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Index Numbers**<br>Index Numbers – Methods – Unweighted and Weighted Index Numbers – Aggregate and Relative Index Numbers – Chain and Fixed based Index Numbers – Test of Adequacy of Index Numbers – Wholesale Price Index – Consumer Price Index – Cost of Living Index. | 15 |
| II | **Time Series Analysis**<br>Definition– Components and Measurement– Graphic Method - Methods of Semi Average, Moving Averages and Method of Least Squares – Uses of Time Series Analysis. | 15 |
| III | **Theory of Probability**<br>key Concepts of Probability – Importance – Theorems of Probability: Addition, Multiplication and Bayes' Theorem - Discrete and Continuous Random Variables – Theoretical Distributions – Binomial, Poisson and Normal – Properties- Uses and Applications. | 15 |
| IV | **Sampling**<br>Sampling – Census and Sample Method – Theoretical Basis of Sampling – Methods of sampling – Random and Non –Random Sampling - Size of Sample – Merits and Limitations of Sampling – Sampling and Non-Sampling Errors. | 15 |
| V | **Testing of Hypothesis**<br>Hypothesis Testing – Meaning, Types, Sources and Functions of Hypothesis – Test: Null and Alternative Hypothesis – Type – I and Type – II Errors– 't' Test – Paired 't'-test – Chi –Square test, 'F' test –Analysis of Variance - One way and Two-way ANOVA. | 15 |
| | **Total** | **75 hours** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Gain Knowledge on the Index Numbers | PO1, PO2,PO3 |
| 2 | Analyze the importance of Time Series Data and its measurement | PO1,PO2,PO3 |
| 3 | Understand the concept of Probability | PO2 |
| 4 | Identify the various Sampling Methods | PO1, PO2 |
| 5 | Acquire Knowledge on Hypothesis Testing | PO2,PO3,PO7,PO8 |

**Textbooks**

| 1 | S.P Gupta, (2017) "Statistical Methods", Sultan Chand & Sons. |
|---|---|
| 2 | Anderson, Sweeney and Williams(2012), "Statistics for Business and Economics Cengage,2012. |
| 3 | Pillai R.S.N. &BagavathiV (2012) "Statistics :Theory and Practice" S.Chand&CompanyLtd.  New Delhi. |
| 4. | Dr.T.K.V.Iyengar, Dr.B.Krishna Gandhi S.Ranganantham, Dr.M.V.S.S.N Prasad, Probability and Statistics, S.Chand and Co, 2020. |
| 5. | Prof S.G.Vekatachalapathy and Dr.H.Premraj (2018) Statistical Methods Margham Publications. |

**Reference Books**

| 1. | Anderson, David Ray, "Statistics for Business and Economics", South-Western Pub,2001. |
|---|---|
| 2. | Sancheti and Kapoor, Statistics, (2015) Sultan & Sons New Delhi. |
| 3. | Gupta S.C. Statistical Methods (2015) Sultan & sons New Delhi. |
| 4. | Monga G.S. "Mathematics and Statistics for Economics" (2001), Vikas Publishing House Pvt.Ltd New Delhi. |
| 5. | Dominick Salvatore and Derrick Reagle,theory and problems of statistics andeconometrics, Mc Graw Hill, (2002) |

**Web Resources**

| 1. | https://stattrek.com/statistics/resources |
|---|---|
| 2. | https://www.cuemath.com/data/f-test/ |
| 3. | https://www.statistics.com/ |
| 4. | https://thisisstatistics.org/students/ |
| 5. | https://oli.cmu.edu/courses/probability-statistics-open-free/ |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 |
| **CO 5** | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 |
| Weightage | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.00 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3  M-Medium-2  L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 3 | 3 |
| **CO2** | 3 | 3 | 3 | 3 | 3 |
| **CO3** | 3 | 3 | 3 | 3 | 3 |
| **CO4** | 3 | 3 | 3 | 3 | 3 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 15 | 15 | 15 | 15 | 15 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 3 | 3 | 3 | 3 |

**Strong-3       M-Medium-2   L-Low-1**

# FIRST YEAR - SEMESTER II

**Semester II**                                         **Code: U23EC2:A**
**Hours / Week: 4**                                      **Credits: 3**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **HISTORY OF ECONOMIC THOUGHT** | **Generic Elective-II** | | | | | 3 | 4 | 25 | 75 | 100 |

| | **Learning Objectives** |
|---|---|
| C1 | To explain the nature and scope of economic thought and its principles |
| C2 | To understand the classical economists ideology and theory of Marx |
| C3 | To know the Kenesian revolution and its analysis |
| C4 | To build the Marginalism Revolution and its operations |
| C5 | To describes the thoughts of various Nobel laureates in economics |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Pre-Classical Thought**<br>Nature and Scope of Economic Thought-Mercantilism: Growth of Mercantilism- Main Principles – Important Mercantilists- Physiocracy - Main concepts - Important Physiocrats | 18 |
| II | **Classical Economists and Karl Marx**<br>Adam Smith- Division of Labour- Theory of Value- Laissez Faire- Canons of Taxation - Ricardo: Theory of Rent - Comparative Advantage Theory of Trade- Malthus-Theory of Population –Theory of Gluts –Karl Marx-Theory of Surplus Value -Breakdown of the Capitalist System | 15 |
| III | **Neo-Classical and Institutionalist Thought**<br>The Marginalist Revolution- Marshall: Value and Role of Time – Marginal Utility and Consumer's Surplus – Distribution – Marshallian Concepts – Representative Firm, Economies of Scale, Quasi-Rent- Institutional Economics – Veblen – Mitchell –J.R.Commons. | 15 |
| IV | **Keynesian Revolution and Modern Thought**<br>Keynes – Psychological law of Consumption- Effective Demand- Theory of Employment - Schumpeter's Theory of Innovation - Hicks theory of Trade Cycle- New Keynesian Economics- New classical Economics –Rational Expectation Hypothesis. | 12 |
| V | **Nobel Laureates in Economics and Indian Economic Thought**<br>Nobel Laureates in Economics – Paul A Samuelson – Kuznets – Hicks – Myrdal – Milton Friedman – Recent Nobel Laureates (Last Three Years)- Indian Economic Thought – DadabhaiNaoroji- Mahatma Gandhi - B.R. Ambedkar – Amartya Sen – Sen's Capability Approach –Poverty and Inequality. | 15 |
| | **Total** | **75** |

| Course Outcomes | | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Acquire knowledge on the subject matter of History of Economic Thought. | PO1 |
| 2 | Understand the contributions of the Classical Ideas of Economics. | PO1,PO2 |
| 3 | Describe Neo Classical and Institutional Economic Ideas | PO1,PO2 |
| 4 | Examine the Keynesian School and Modern Economic Ideas | PO1,PO2 |
| 5 | Understand the contribution of Nobel Laureates and Indian Economic Ideas | PO1,PO2,PO8 |
| **Textbooks** | | |
| 1 | Lokanathan, V, History of Economic Thought, S Chand & Co Ltd. | |
| 2 | Bhatia, H.L. (2018), History of Economic Thought, S Chand & Co Ltd. | |
| 3 | SrivastavaS.K (2002) History of Economic Thought, S.Chand Publication. | |
| 4 | M.L Jhingan ,M.Girija , L.Sasikala "History of Economic Thought" 3rd Edition, Virnda Publication 2014. | |
| 5 | R.R.Paul "History of Economic Thought" ,Kalyani Publisher,2018. | |
| **Reference Books** | | |
| 1. | Amartya Sen (1982), Welfare and Measurement, Oxford University Press, New Delhi. | |
| 2. | Gandhi, M.K. (1938), Economics of Village Industries, Navjivan Publishers, New Delhi. | |
| 3. | T.N.Hajela, (2015), History of Economic Thought Ane Students Edition 18th Edition. | |
| 4. | Gide and Rist,(2014) , A History of Economic Doctrines, Nabu Press. | |
| 5. | V.Lokanathan (2009) "A History of Economic Thought: S.Chand& Co Limited. | |
| **Web Resources** | | |
| 1. | https://www.hetwebsite.net/het/ | |
| 2. | https://thoughteconomics.com/ | |
| 3. | https://www.nobelprize/economic-sciences/ | |
| 4. | https://www.aeaweb.org/resources/students | |
| 5. | https://sites.google.com/site/maeconomicsku/home | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| **CO 5** | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 |
| Weightage | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 3.00 | 3.00 |

**S-Strong-3       M-Medium-2   L-Low-1**

## Level of Correlation between PSO's and CO's

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 2 | 2 |
| **CO2** | 3 | 3 | 3 | 2 | 2 |
| **CO3** | 3 | 3 | 3 | 3 | 3 |
| **CO4** | 3 | 3 | 2 | 2 | 2 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 15 | 15 | 14 | 12 | 12 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 3 | 2.8 | 2.6 | 2.6 |

**Strong-3       M-Medium-2   L-Low-1**

# FIRST YEAR - SEMESTER II

**Semester II**                                    **Code: U23EC2E2**
**Hours / Week: 2**                                **Credits: 2**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **ECONOMICS FOR INVESTORS** | SEC-2 | | | | | 2 | 2 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | | |
| C1 | To understand concepts of saving and investments | | | | | | | | | | |
| C2 | To probe the various investment avenue and its practice applications | | | | | | | | | | |
| C3 | To enables various investment markers and its features | | | | | | | | | | |
| C4 | To Know the economic fundamentals and the Business Environment | | | | | | | | | | |
| C5 | To understand various investment methods and its strategies | | | | | | | | | | |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Introduction**<br>Saving and Investments – Meaning – Types - Importance – Role of Savings and Investment on the development of Individuals- Distributional Role of Investment – Income and Wealth – Equitable Distributional Role | 15 |
| II | **Investment Avenues**<br>Traditional Investment – Cash, Deposits, Gold, Silver, Commodities Real Estates. Modern Investment – Direct Investment – Portfolio Investment - Insurance -Mutual Funds -Traded Funds. | 14 |
| III | **Investment Markets**<br>Capital Market – Share Market – Primary and Secondary – Bond Markets- Money Market – Metal Market - Commodities Markets – Foreign Exchange Market - Hedging - Futures and Options | 16 |
| IV | **Economic fundamentals for Investors**<br>Domestic Economic Environment: Economic Growth and Development – National Income – Per Capita Income, Unemployment – Taxes, Trade Cycle – Infrastructure – Physical and Economic. Political and Social Environment- International Economic Environment: International Economic Growth and Development, Trade, Foreign Exchange - Global Recession- Oil Market – War Between Countries | 15 |
| V | **Investment Methods and Strategies.**<br>Cash Flow – Capital Gain – Risk Rewarding – Asset Accumulation - Risk Distribution – Asset Management. | 15 |
| | **Total** | **75** |

| Course Outcomes | | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Describe the types and importance of savings and investments. | PO1 |
| 2 | Explain the available for investment avenues | PO2 |
| 3 | Understand the operations of different types of investment markets. | PO1,PO2 |
| 4 | Evaluate the economic fundamentals and information. | PO1,PO3 |
| 5 | Construct objective enabling investment plans, strategy, evaluate and restructure if required. | PO2,PO3,PO4 |
| | **Textbooks** | |
| 1 | Ken McElroy, (2004) The ABCs of Real Estate Investing, Hachette Book Group USA | |
| 2 | Esme Faerber (2013), All about Stocks ,TataMGraw Hill, New Delhi | |
| 3 | Christopher D. Piros, Jerald E. Pinto(2013), "Economics for Investment Decision Makers:Micro, Macro, and International Economics, Workbook", Wiley, 2013 | |
| 4. | John Calverley, "The Investor's Guide to Economic Fundamentals", Wiley, 2003 | |
| 5 | Howards Marks, Mastering The Market Cycle:Getting the Odds on Your Side", John Murray Press, 2018 | |

**Mapping with Programme Outcomes:**

|        | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|--------|------|------|------|------|------|------|------|------|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| **CO 5** | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |
| Weightage | 14 | 14 | 15 | 15 | 14 | 14 | 15 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.00 |

**S-Strong-3   M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|--------|------|------|------|------|------|
| **CO1** | 3 | 3 | 3 | 3 | 2 |
| **CO2** | 3 | 3 | 3 | 2 | 2 |
| **CO3** | 2 | 2 | 3 | 3 | 3 |
| **CO4** | 3 | 3 | 2 | 2 | 2 |
| **CO5** | 2 | 2 | 3 | 3 | 3 |
| **Weightage** | 13 | 13 | 14 | 13 | 12 |
| **Weighted percentage of Course Contribution to PSOs** | 2.6 | 2.6 | 2.8 | 2.6 | 2.4 |

**Strong-3       M-Medium-2   L-Low-1**

# FIRST YEAR - SEMESTER II

**Semester II**
**Hours / Week: 2**

**Code: U23ECPS3**
**Credits: 2**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **COMPUTER APPLICATIONS IN ECONOMICS** | SEC-3 | | | | | 2 | 2 | 25 | 75 | 100 |

| | Learning Objectives |
|---|---|
| C1 | To know the basic concepts of Computer Applications |
| C2 | To apply the MS office and its basic operations |
| C3 | To describes the data processing techniques using various MS office operations |
| C4 | To gain knowledge on application of MS Excel |
| C5 | To know mathematical and statistical functions for Economic Analysis |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Introduction to Computers**<br>Computer and Peripherals: Meaning, Types, Features and Limitations– Basic Components – Input and Output Devices – Primary Memory and Secondary Storage – Computer Software– Types – Malicious Software – Operating Systems: Functions and Types. | 15 |
| II | **MS Office**<br>Windows Explorer - MS Word: Basic Operations in Word – Editing– Formatting – Text Creation of Tables and Volumes - MS Power Point Presentation- Creating, Opening and Saving Slideshow and Animations - MS Excel: Work Sheet and Work Book- Opening and Formatting. | 15 |
| III | **Data Processing**<br>Data Processing Techniques using MS Excel: Concept of Data – Record and File – Types of Data – Data Entry – File Handling and Operations– Opening, Appending and Cascading – Closing and Attribute Controls – Data Storage and Retrieval. | 12 |
| IV | **Introduction to MS Excel**<br>Calculation Operators: Arithmetic Operators – Comparison Operators – Logical Operations- Excel Tool Bars- Formatting of Text, Tables and Graphs. | 15 |
| V | **Application of MS Excel in Statistics and Economics**<br>Descriptive Statistics: Mean, Median, Mode and Standard Deviation Variance- Index Numbers and Growth Rates - Demand Function - Supply Function, Production Function and Consumption Function - Demand for and Supply of Money- Correlation – Regression. | 18 |
| | **Total** | **75** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Understand basic components of Computer and its functions. | PO1, PO3,PO8 |
| 2 | Gain Knowledge of MS Office. | PO3,PO8 |
| 3 | Outline data processing techniques of MS Excel. | PO2,PO3,PO8 |
| 4 | Understand basic Operation in MS Excel. | PO1,PO2,PO8 |
| 5 | Apply MS Excel in Statistics and Economics. | PO2,PO3,PO8 |

**Textbooks**

| 1 | Hem Chand Jain and H.N.Tiwari (2019) Computer Applications In Business ,5thEdition Taxmann Publication. |
|---|---|
| 2 | Dhanasekaran.K( 2010) Computer Applications In Economics Vrinda Publications. |
| 3 | Asthana and Braj Bhushan (2007):Statistics for Social Sciences (with SPSS Applications). |
| 4. | Dan Kookin, "Word for Dummies", Wiley, 2021 |
| 5. | Joseph Muller, "Statistical Analysis with Excel For Dummies", Wiley, 2008 |

**Reference Books**

| 1. | Oscar Afonso , Paulo B. Vasconcelos, Computational Economics: A Concise Introduction, Routledge; 1stEdition |
|---|---|
| 2. | Alexis Leon and Mathews Leon; (2001), Introduction to Computers with Ms-Office 2000.McGraw Hill Education |
| 3. | Greg Harvey, PhD, (2007) Microsoft Office Excel 2007 For Dummies, Wiley Publishing. |
| 4. | Kerns (1992) Essentials of Microsoft Windows, Word and Excel, Prentice Hall |
| 5. | Kavindra Kumar Singh (2014) Computer Applications in ManagementDreamTech |

**Web Resources**

| 1. | https://www.excel-easy.com/basics.html |
|---|---|
| 2. | https://excelchamps.com/excel-basics/ |
| 3. | https://edu.gcfglobal.or/en/topics/excel/ |
| 4. | https://trumpexcel.com/learn-excel/ |
| 5. | https://www.simplilearn.com/learn-ms-excel-free-training-course-skillup |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| **CO 5** | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| Weightage | 15 | 14 | 14 | 15 | 14 | 15 | 15 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 2.8 | 2.8 | 3.0 | 2.8 | 3.0 | 3.0 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 2 | 2 | 2 | 3 | 3 |
| **CO2** | 2 | 2 | 2 | 3 | 3 |
| **CO3** | 2 | 2 | 2 | 3 | 3 |
| **CO4** | 2 | 2 | 2 | 3 | 3 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 11 | 11 | 11 | 15 | 15 |
| **Weighted percentage of Course Contribution to PSOs** | 2.2 | 2.2 | 2.2 | 3 | 3 |

**Strong-3       M-Medium-2   L-Low-1**

# SECOND YEAR-SEMESTER – III

**Semester III**
**Hours / Week: 5**

**Code: U23EC305**
**Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **MACRO ECONOMICS-I** | **Core -V** | | | | | 4 | 5 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | | |
| C1 | To understand the national income and its related concepts | | | | | | | | | | |
| C2 | To analyse the classical theory of full employment and its advantages | | | | | | | | | | |
| C3 | To illustrate the Keynesian under employment theory and its applications | | | | | | | | | | |
| C4 | To evaluate the theories of Consumption and its types | | | | | | | | | | |
| C5 | To impart students to understand inflation and its types | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | **No. of Hours** |
| I | **National Income**<br>National Income: Definition –Concepts: GDP,GNP and Per Capita Income- National Income Measurement: Expenditure, Income and Value Added Approaches- Real and Nominal GDP – National Income Accounting - GDP Deflator – Green GDP – Happiness Index - Circular Flow of Income and Expenditure | | | | | | | | | | 15 |
| II | **Full Employment: Classical Theory**<br>Introduction - Aggregate Demand and Aggregate Supply – Assumptions of Classical Theory – Say's Law – Wage and Price Flexibility - Employment and Output determination in Classical Model -Three Ranges in Aggregate Supply (AS)Curve | | | | | | | | | | 15 |
| III | **Under Employment: Keynesian Theory**<br>Keynes's Critique of Classical Theory – Involuntary Unemployment – Underemployment Equilibrium- Effective Demand – Components - Wage Rigidity – Liquidity Preference - Consumption Function: Meaning and Attributes - Investment – Marginal Efficiency of Capital - Multiplier. | | | | | | | | | | 18 |
| IV | **Theories of Consumption**<br>Keynesian Absolute Income Hypothesis – Duesenberry's Relative Income Hypothesis – Friedman's Permanent Income Hypothesis – Modigliani's Life Cycle Hypothesis. | | | | | | | | | | 15 |
| V | **Inflation**<br>Inflation: Definition and Types -Demand Pull -Cost Push and Mark-up Inflation– Consumer Price Index – Wholesale Price Index – Producer Price Index – Headline and Core Inflation- Phillips Curve. | | | | | | | | | | 12 |
| | **Total** | | | | | | | | | | **75** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Understand the structure of Macroeconomics and the Concept of GDP | PO1,PO2,PO3 |
| 2 | Outline the concepts in Classical Theory of Employment | PO1,PO2 |
| 3 | Analyse the Keynesian Underemployment Theory | PO1,PO2 |
| 4 | Examine the theories of Consumption Function | PO1,PO2, PO3 |
| 5 | Understand the types and the impact of Inflation on Economies | PO2,PO3,PO8 |

### Textbooks

| 1 | Mankiw. N Gregory (2000), Macroeconomics, Worth Publishers, New York |
|---|---|
| 2 | VaishM.C.(2003) Macro Economic Theory , S.Chand & Company Ltd New Delhi |
| 3 | Paul Krugman and Robin Wells(2015) Macroeconomics Worth Publisher |
| 4 | H.L. Ahuja, Macro Economics: Theory and Policy S.Chand, 2016 |
| 5 | Andrew B. Abel and Ben S.Bernanke, Macro Econmics, Pearson Education, Inc., 7th Edition, 2011. |

### Reference Books

| 1. | RudigerDornbusch , Stanley Fischer, and Richard Startz (2000), Macroeconomics, Tata McGraw-Hill Publishing Company, New Delhi. |
|---|---|
| 2. | Parkin, M., 2014. Macro Economics. 11th Edition. Essex: Pearson |
| 3. | Blanchard, Olivier and David R. Johnson (2013) Macroeconomics, Pearson. |
| 4. | Mueller, M.G. (Ed.) (1978), Readingsin Macroeconomics, Surjeet Publications, New Delhi |
| 5. | Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt Ltd., Singapore. |

### Web Resources

| 1. | http://www2.econ.iastate.edu/tesfatsi/sources.htm |
|---|---|
| 2. | https://www.khanacademy.org/economics-finance-domain/macroeconomics |
| 3. | https://www.econlib.org |
| 4. | https://economics.mit.edu/ |
| 5. | https://hbswk.hbs.edu/ |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| **CO 5** | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| Weightage | 14 | 15 | 14 | 15 | 14 | 15 | 15 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 3.0 | 2.8 | 3.0 | 2.8 | 3.0 | 3.0 | 3.00 |

  **S-Strong-3  M-Medium-2  L-Low-1**

  **Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 3 | 2 |
| **CO2** | 3 | 3 | 3 | 2 | 2 |
| **CO3** | 3 | 3 | 3 | 2 | 2 |
| **CO4** | 3 | 3 | 2 | 2 | 2 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 15 | 15 | 14 | 12 | 11 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 3 | 2.8 | 2.6 | 2.2 |

  **Strong-3   M-Medium-2  L-Low-1**

## SECOND YEAR-SEMESTER – III

**Semester III**                                        **Code: U23EC306**
**Hours / Week: 5**                                      **Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **MATHEMATICS FOR ECONOMICS** | Core -VI | | | | | 4 | 5 | 25 | 75 | 100 |

| | **Learning Objectives** |
|---|---|
| C1 | To integrate the concepts of Economics with Mathematical tools. |
| C2 | To use Matrices to find solutions in Economics. |
| C3 | To apply the applications of Matrix algebra and its uses |
| C4 | To know the differentiation and its function |
| C5 | To understand the second order derivatives and its maxi mini function |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Introduction**<br>Variables, Constants, Equations and its types – Uses and limitations of Mathematics in Economics- Functions of one or more variables – Linear function, Parabola, Rectangular Hyperbola- Exponential, Logarithmic, Power function and Homogenous Function – Applications in Economics | 12 |
| II | **Matrix Algebra and Determinants**<br>Types of Matrices- Matrix Operations – Addition – Subtraction- Matrix Multiplication – Transpose – Determinants, Inverse and Properties (Problems). | 15 |
| III | **Applications of Matrix Algebra**<br>Solving a system of Linear Equations – Cramer's Rule and Matrix Inverse Method- Leontief's Input-Output Model – Open and Closed Model- Components, Uses, and Limitations- Hawkins – Simon Conditions for Viability of Input and Output Model (Problems). | 18 |
| IV | **Differentiation**<br>Limits and Continuity –Differentiability of a Function – Slope of a Curve – Increasing and Decreasing Functions – Rules- Exponential and Logarithmic Functions -Implicit Differentiation– Economic Applications: Marginal and Elasticity Concepts – Relationship between AR, MR, and Price Elasticity of Demand – Relationship Between Average and Marginal Cost. | 15 |
| V | **Optimization (Single Variable)**<br>Second Order Derivatives–Maximization and Minimization of a Function– Economic Applications – Output and Revenue Maximization -Cost Minimization – | 15 |

| | | |
|---|---|---|
| | Profit Maximization under Perfect Competition, Monopoly, Discriminating Monopoly (Problems). | |
| | **Total** | **75** |
| | **Course Outcomes** | **Programme Outcomes** |
| CO | On completion of this course, students will | |
| 1 | Understand Basic Concepts of Mathematics and its application in Economics. | PO1,PO3 |
| 2 | Analyze the relevance of the Types of Matrices | PO1,PO2 |
| 3 | Calculate optimal values in the system of Equations and the importance of Input-Output Analysis | PO2,PO3 |
| 4 | Gain knowledge of the rules of Differentiation and its Economic Applications | PO1,PO2, PO3 |
| 5 | To optimize single variable functions in Economics | PO1,PO3 |
| | | |
| | **Textbooks** | |
| 1 | Mehta and Madnani (2019) Mathematics for Economists Sultan Chand and Sons | |
| 2 | Edward T. Dowling,(2002) "Mathematical Methods for Business and Economics", Schaum's Outline Series, 3$^{rd}$ Edition, Mc Graw Hill | |
| 3 | Renshaw Geoff, (2005) Maths for Economics, 3$^{rd}$ Edition Oxford University Press, Oxford | |
| 4 | Carl P Simon & Lawrence E. Blume,"Mathematics for Economists", Published by W. W. Norton & Company,2010 | |
| 5 | Ian Jacques, "Mathematics for Economics and Business", Pearson, 2018 | |
| | | |
| | **Reference Books** | |
| 1. | Chiang, A. C., Fundamental Methods of Mathematical Economics, McGraw-Hill, 1984 | |
| 2. | G. Hadley, Linear Algebra Addison – Wesley Publishing Company, 1977. | |
| 3. | K. Sydsaeter and P Hammond, Mathematics for Economic Analysis, Pearson Educational Asia, Delhi 2002. | |
| 4. | Mabett. Alan J Workout for Mathematics for Economist McMillan 1986. | |
| 5. | R.G.D. Allen, Mathematical Analysis for Economists Macmillan and Co.Ltd.,2008 | |
| | | |
| | **Web Resources** | |
| 1. | https://www.coursera.org/learn/mathematics-for-economists | |
| 2. | https://mitpress.mit.edu/9780262294805/mathematics-for-economics/ | |
| 3. | https://hummedia.manchester.ac.uk/school/soss/economics/pg/psmaths/pre-sessionmathbook.pdf | |
| 4. | https://mitpress.mit.edu/9780262046626/mathematics-for-economics/ | |
| 5. | | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| **CO 5** | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| Weightage | 15 | 14 | 15 | 15 | 14 | 15 | 15 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 2.8 | 3.0 | 3.0 | 2.8 | 3.0 | 3.0 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 2 | 2 | 2 |
| **CO2** | 3 | 3 | 2 | 2 | 2 |
| **CO3** | 3 | 3 | 2 | 2 | 2 |
| **CO4** | 3 | 3 | 3 | 2 | 3 |
| **CO5** | 2 | 2 | 3 | 3 | 3 |
| **Weightage** | 14 | 14 | 12 | 11 | 12 |
| **Weighted percentage of Course Contribution to PSOs** | 2.8 | 2.8 | 2.6 | 2.2 | 2.6 |

**Strong-3       M-Medium-2   L-Low-1**

# SECOND YEAR-SEMESTER – III

**Semester III**                                                                    **Code: U23EC3:A**
**Hours / Week: 4**                                                                  **Credits: 3**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **ECONOMICS OF TOURISM** | Generic Elective– III | | | | | 3 | 4 | 25 | 75 | 100 |
| | **Learning Objectives** | | | | | | | | | | |
| C1 | To familiarise students with the basic concepts of Tourism. | | | | | | | | | | |
| C2 | To probe the tourism demand forecasting and its methods | | | | | | | | | | |
| C3 | To analyse the impact of tourism and its related aspects | | | | | | | | | | |
| C4 | To understand the contribution of the Tourism Industry | | | | | | | | | | |
| C5 | To examine the various international organisations in Tourism. | | | | | | | | | | |
| UNIT | **Contents** | | | | | | | | | | No. of Hours |
| I | **Introduction**<br>Introduction – Economics, and Tourism - Tourism Demand - Theoretical background - Types of Tourism Demand - Determinants of Tourism Demand | | | | | | | | | | 15 |
| II | **Tourism Demand**<br>Tourism Demand Forecasting - Methods of Forecasting – Public and Private Sectors in Tourism - the Need for Public and Private Sector Co-operation in Tourism – Growth of Tourism Demand in India. | | | | | | | | | | 15 |
| III | **Tourism Impacts**<br>Impact of Tourism - Economic Aspects - the Multiplier Effect - Displacement Effect and Tourism - Tourist Spending - Costs and Benefits of Tourism to Community - Environmental Aspects – Contingency Valuation Method | | | | | | | | | | 15 |
| IV | **Tourism in India**<br>Major tourism circuits of India: Inter-State and Intra-State – Heritage Tourism – Wild life Tourism and Eco Tourism – Tourism in Tamil Nadu. | | | | | | | | | | 15 |
| V | **Tourism Organizations**<br>Role and Functions of World Tourism Organization (WTO), Pacific Asia Travel Association (PATA), World Tourism &Travel Council (WTTC) - Ministry of Tourism, Govt. of India, ITDC, Department of Tourism, Government of Tamil Nadu TTDC – IHA-IATA- TAAI- IATO. | | | | | | | | | | 15 |
| | **Total** | | | | | | | | | | **75 hours** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Describe the importance of Tourism | PO1,PO2 |
| 2 | Understand various methods to calculate demand for tourism | PO1, PO3,PO4 |
| 3 | Analyse the impact of Tourism | PO1,PO2 |
| 4 | Know the various Tourist circuits in India | PO6, PO8 |
| 5 | Learn the role of Organisations in tourism development | PO1,PO2,PO8 |

| | **Textbooks** |
|---|---|
| 1 | Stephen Ball (2007), Encyclopaedia of Tourism Resources in India,B/H. |
| 2 | Manoj Dixit (2002), Tourism Products, New Royal Book Co. Lucknow |
| 3 | Vanhove and Norber, "The Economics of Tourism Destinations", T & F India, 2010 |
| 4 | Mike J. Stabler, Andreas Papatheodorou, M. Thea Sinclair, " Economics of Tourism", Talyor & Francis, 2009 |
| 5 | Yong Chen, "Economics of Tourism and Hospitality:A Micro Approach", Talyor & Francis, 2021 |

| | **Reference Books** |
|---|---|
| 1. | Bhatia A.K (2020)Tourism Development : Principles and Practices Sterling Publishers Private Limited |
| 2. | Mishra P.K (2018) Tourism in India: Potential, Problems and Prospects(2018) New Century Publications |
| 3. | Prasanna Kumar (2017) Marketing for Hospitality and Tourism Mc Graw Hill Education |
| 4. | Sneha Pathak and RiteshMishra(2019) Medical Tourism in India 93-88797-49-8 |
| 5. | Geetanjali (2010)Tourism Management ABD Publishers |

| | **Web Resources** |
|---|---|
| 1. | https://www.unwto.org/ |
| 2. | https://itdc.co.in/ |
| 3. | https://tourism.gov.in/ |
| 4. | https://www.traveldailymedia.com/importance-of-travel-website-for-the-travel-company/ |
| 5. | https://www.oecd.org/cfe/tourism/ |

# SECOND YEAR-SEMESTER – III

**Semester III**                                      **Code: U23EC3S4**
**Hours / Week: 1**                                      **Credits: 1**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **ENTREPRENEURIAL ECONOMICS** | SEC-4 | | | | | 1 | 1 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | |

| | Learning Objectives |
|---|---|
| C1 | To describes the factors influencing entrepreneurship |
| C2 | To know the various theories of motivation and its advantages |
| C3 | To Identify the opportunities to create value for others |
| C4 | To evaluate the creativity and entrepreneurship. |
| C5 | To analyse the sources of finance for business. |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Introduction**<br>Entrepreneurship: Meaning and Importance - Evolution of term 'Entrepreneurship' - Factors influencing Entrepreneurship: Psychological, Social, Economic and Environmental - Characteristics of an Entrepreneur - Types of Entrepreneurs- New Generations of entrepreneurship - Barriers to entrepreneurship | 15 |
| II | **Entrepreneurial Motivation**<br><br>Motivation: meaning and Definition – Theories of Motivation: Maslow's, Herzberg's, McGregor's and Achievement Theory - Culture & Society - Values / Ethics – Risk-taking behaviour | 12 |
| III | **Creativity and entrepreneurship**<br><br>Creativity and entrepreneurship - Steps in Creativity - Innovation and inventions - Legal Protection of innovation - Skills of an Entrepreneur - Decision making and Problem Solving (Steps in Decision Making) | 18 |
| IV | **Sources of Finance**<br>Sources of Finance: Long term Sources -Equity Shares, Preference Shares and debentures- Kinds Private Placements-IPO-SEBI- FDI- Institutional Finance - Banks - IDBI, IFCI, IIBI, ICICI, SIDBI, SFCs in India - Merchant Banks in India - NBFCs in India | 15 |
| V | **Rules and Legislation**<br>Industries Development (Regulations) Act, 1951 - Factories Act 1948 - The Industrial Employment (Standing Orders) Act - | |

| | | |
|---|---|---|
| | Environment (Protection) Act, 1986 - The Sale of Goods Ac, 1950 - Industrial Disputes Act 1947 | 15 |
| | **Total** | **75 hours** |

| Course Outcomes | | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Explain the importance and factors influencing entrepreneurship | PO1,PO2 |
| 2 | Understand and apply entrepreneurial theory using lean start-up principles. | PO1,PO2 |
| 3 | Recognize and evaluate Creativity and entrepreneurship | PO1, PO4 |
| 4 | Understand the Various sources of Finance available for entrepreneur | PO1 |
| 5 | Know the Applicability of Legislation and Rules | PO6 |

| | **Textbooks** |
|---|---|
| 1 | Desai, V. (2009). Dynamics of Entrepreneurial Development and Management. Himalaya Publishing House. |
| 2 | Srinivasan, N. P., & Gupta, G. P. (2001). Entrepreneurial Development". *Sultan* Chand and Sons, New Delhi |
| 3 | Simon. C Parker, "The Economics of Entrepreneurship", Cambridge University Press, 2009 |
| 4 | K. Glancey, R. McQuaidand Jo Campling,"Entrepreneurial economics", PalgraveMacmillan UK, 2000 |
| 5 | Akland Alexander Tabarrok, "Entrepreneurial Economics", Oxford University Press, 2002 |

| | **Reference Books** |
|---|---|
| 1. | Glancey, K., McQuaid, R., &Campling, J. (2000), Entrepreneurial Economics. London: Macmillan. |
| 2. | Casson, M., & Buckley, P. J. (2010). Entrepreneurship, Edward Elgar Publishing. |
| 3. | Parker, S. C. (2018). The Economics of Entrepreneurship. Cambridge University Press. |
| 4. | Harper, D. A. (2003). Foundations of Entrepreneurship and Economic Development. Routledge |
| 5. | Khanka, S. S. (2006). Entrepreneurial Development. S. Chand Publishing. |

| | **Web Resources** |
|---|---|
| 1. | https://www.startupindia.gov.in/ |
| 2. | https://www.ediindia.org/ |
| 3. | https://skillindia.gov.in/ |
| 4. | https://www.startupindia.gov.in/ |
| 5. | https://indianstartups.com/ |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 15 | 14 | 14 | 15 | 15 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.00 |

**S-Strong-3     M-Medium-2   L-Low-1**

## Level of Correlation between PSO's and CO's

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 2 | 2 | 3 | 2 | 2 |
| **CO2** | 2 | 2 | 3 | 3 | 2 |
| **CO3** | 3 | 3 | 3 | 3 | 2 |
| **CO4** | 2 | 2 | 2 | 2 | 2 |
| **CO5** | 2 | 2 | 3 | 2 | 3 |
| **Weightage** | 11 | 11 | 14 | 12 | 11 |
| **Weighted percentage of Course Contribution to PSOs** | 2.2 | 2.2 | 2.8 | 2.6 | 2.2 |

**Strong-3       M-Medium-2   L-Low-1**

## SECOND YEAR-SEMESTER - III

**Semester III**　　　　　　　　　　　　　　　　　　　　**Code: U23EC3SA**
**Hours / Week: 2**　　　　　　　　　　　　　　　　　　　**Credits: 2**

| | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **EVENT MANAGEMENT** | SEC-5 | | | | | 2 | 2 | 25 | 75 | 100 |
| **Learning Objectives** |
| C1 | | To equip students on the various facets of Event Management. |
| C2 | | To provide students event management as a career option. |
| C3 | | To understand the committees in managing events and its safety |
| C4 | | To learn about celebrity management |
| C5 | | To know the event management in India and its operations |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Introduction**<br>Event Management – Definition –objectives –Classification and Types of Events- Career Options | 15 |
| II | **Event Management Strategy**<br>**Process -**Target Audience –Creativity - Purpose – Costs -Event Budget-Network with Suppliers- Creation of Social Media Accounts | 15 |
| III | **Committees in Managing Events**<br>Organising Committee- Event Scheduling -Venue Selection-Recruitment of Event Staff-Event Safety-Emergency Planning and Checklist | 15 |
| IV | **Celebrity Management**<br>Issues and Challenges -Cost Management and Budget – Confidentiality- Crowd Management | 15 |
| V | Event Management Industry in India- Leading Event Management Companies | 15 |
| | **Total** | **75** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On Completion of the course ,students will | |
| 1 | Understand the growing importance of event industry | PO1, P02 |
| 2 | Analyse the process involved in the event management industry and career Options | PO2, PO3 |
| 3 | Gain Knowledge on the various Committees involved | PO1,PO2,PO3 |
| 4 | Review how to manage celebrities | PO2, PO6 |
| 5 | Examine the Growth process of event Management industry in India | PO1, P02, PO6 |

| | Textbooks |
|---|---|
| 1 | Lynn Van Der Wagen & Brenda R Carlos Event Management |
| 2 | Bhavana Chaudhari Dr. Hoshi Bhiwandiwalla(2019) A book of Event Management Kindle Edition,Nirali Prakashan Publishers |
| 3 | Alex Genadinik Event planning -management & marketing for successful events, Alex Genadinik publisher 2015 |
| 4 | Charles Bladen, James Kennell, Emma Abson and Nick Wilde, "Events Management: An Introduction",Talyor and Francis, 2017 |
| 5 | Bernadette Quinn, " Key Concepts in Event Management", Sage Publication, 2013 |

| | Reference Books |
|---|---|
| 1. | Abhijeeth Bhattacharje(2020) Event Management :A zero Investment Startup Business Kindle Edition |
| 2. | William O'Toole(2021)Events Feasibility and Development From Strategy to Operations Routledge |
| 3. | Julia Rutherford Silvers, William O'Toole(2020)Risk Management for Events, Routledge |
| 4. | Anukrati Sharma, Shruti Arora( 2018)Event Management and Marketing: Theory, Practical Approaches and Planning ,.Bharti Publications |
| 5. | Allen, J. et al., 2011. Festival & Special event management. 5th edition. John Wiley & Sons: Brisbane |

| | Web Resources |
|---|---|
| 1. | https://www.careerlauncher.com/rbi-grade-b/wto/ |
| 2. | https://www.uou.ac.in/sites/default/files/slm/HM-402.pdf |
| 3. | https://www.bizzabo.com/blog/event-planning-websites/ |
| 4. | https://www.tantraa.net/ |
| 5. | https://eventplanningblueprint.com/ |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 |
| **CO 5** | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |
| Weightage | 14 | 13 | 15 | 15 | 14 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 2.6 | 3.0 | 3.0 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 2 | 2 | 2 | 2 | 2 |
| **CO2** | 2 | 2 | 2 | 2 | 2 |
| **CO3** | 2 | 2 | 2 | 2 | 2 |
| **CO4** | 1 | 1 | 1 | 1 | 2 |
| **CO5** | 2 | 2 | 2 | 2 | 2 |
| **Weightage** | 9 | 9 | 9 | 9 | 10 |
| **Weighted percentage of Course Contribution to PSOs** | 1.8 | 1.8 | 1.8 | 1.8 | 2 |

**Strong-3       M-Medium-2   L-Low-1**

## SECOND YEAR- SEMESTER – IV

**Semester IV**                                    **Code: U23EC407**
**Hours / Week: 5**                                **Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **MACRO ECONOMICS – II** | Core - VII | | | | | 4 | 5 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | | |
| C1 | To analyse the IS-LM model and its shifts | | | | | | | | | | |
| C2 | To probe the macro economic variables and business cycle | | | | | | | | | | |
| C3 | To trace the macroeconomic theories and analyze the macroeconomic policies. | | | | | | | | | | |
| C4 | To understand the monetary policy and its instruments. | | | | | | | | | | |
| C5 | To know the fiscal policy and its instruments. | | | | | | | | | | |

| Course Outcomes | | Programme Outcome |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Understand the IS-LM Model. | PO1,PO2 |
| 2 | Learn the operation of theories of Business Cycles. | PO2,PO3 |
| 3 | Analyze the components of Money Supply and Demand. | PO3,PO4 |
| 4 | Evaluate the effectiveness of Fiscal Policy. | PO3,PO4 |
| 5 | Understand Supply Side Economics. | PO1,PO2 |
| **UNIT** | **Contents** | **No. of Hours** |
| I | **IS-LM Model** Investment and Interest Rate – Money Demand, Money Supply and the interest rate – Derivation of IS and LM Curve – Shifts in IS Curve and Shifts in LM Curve. | 15 |
| II | **Business Cycles** Phases of Business Cycles – Macroeconomic Variables and Business Cycles – Classical Theory and Business Cycles – Hawtrey, Von Hayek, Schumpeter Hicks, Kaldor and Samuelson Models – Keynesian theory of Business Cycles | 15 |
| III | **Monetary Policy** Money - Functions of Money - Money Supply and Money Demand – Classical Dichotomy – Keynesian theory of Money Demand –Instruments of Monetary Policy-IS-LM Model and Monetary Policy | 15 |

| IV | **Fiscal Policy** Fiscal Policy -Instruments- Classical and Keynesian Theory of Fiscal Policy– Fiscal Expansion – IS-LM Model and Fiscal Policy – Critique of Fiscal Policy – Three Ranges in LM Curve. | 15 |
|---|---|---|
| V | **Supply Side Economics** Rational Expectation Hypothesis – New Classical School – Contribution of Robert Lucas – New Keynesian School. | 15 |
| | **Total** | **75 hours** |

| | **Textbooks** |
|---|---|
| 1 | Mankiw Gregory (2017) Principles of Macroeconomics with coursemate, Books Express Publications. |
| 2 | Rudiger Dornbusch, FischerStanely, and Richard Startz (2000), Macro Economics, tata McGraw-Hill publishing company, New Delhi |
| 3 | Andrew B. Abel and Ben S.Bernanke, Macro Econmics, Pearson Education, Inc., 7th Edition, 2011. |
| 4 | Vaish M.C.(2003) Macro Economic Theory , S.Chand & Company Ltd New Delhi |
| 5 | Paul Krugman and Robin Wells(2015) Macroeconomics Worth Publisher |
| | **Reference Books** |
| 1. | Ahuja H.L, (2016) Macroeconomics: Theory and Policy. S. Chand |
| 2. | Mueller, M.G. (Ed.)(1978), Readings in Macro Economics, Surjeet Publications, New Delhi |
| 3. | Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt. Ltd., Singapore |
| 4. | Parkin, M., 2014. Macroeconomics 11th Edition Essex: Pearson Blanchard, Olivier and David R. Johnson (2013) Macroeconomics, Pearson. |
| 5. | Soumen Sikdar,"Principles of Macroeconomics", OUP India, 2020 |
| | **Web Resources** |
| 1. | https://tradingeconomics.com |
| 2. | https://www.bu.edu/econ/files/2014/08/DLS1.pdf |
| 3. | https://www.imf.org |
| 4. | https://www.aeaweb.org/resources/students |
| 5. | https://www.worldbank.org/en/topic/macroeconomics |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 15 | 15 | 14 | 15 | 15 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 3.0 | 2.8 | 3.0 | 2.8 | 3.0 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-**

## Level of Correlation between PSO's and CO's

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 2 | 2 | 2 |
| **CO2** | 3 | 3 | 3 | 2 | 2 |
| **CO3** | 3 | 3 | 3 | 3 | 2 |
| **CO4** | 3 | 2 | 3 | 2 | 3 |
| **CO5** | 3 | 3 | 2 | 3 | 3 |
| **Weightage** | 15 | 14 | 13 | 12 | 12 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 2.8 | 2.6 | 2.4 | 2.4 |

**Strong-3        M-Medium-2   L-Low-1**

# SECOND YEAR-SEMESTER – IV

**Semester IV**
**Hours / Week: 5**

**Code: U23EC408**
**Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **INDIAN ECONOMY** | Core-VIII | | | | | 4 | 5 | 25 | 75 | 100 |
| | | **Learning Objectives** | | | | | | | | | |
| C1 | To understand the features and issues of Indian economy and new economic policy | | | | | | | | | | |
| C2 | To analyse the national income, poverty and human development and its method | | | | | | | | | | |
| C3 | To equip conceptual foundations and macroeconomic concepts of Indian Economy | | | | | | | | | | |
| C4 | To describe the Trends in Production and Productivity in Agriculture | | | | | | | | | | |
| C5 | To know the importance of Foreign Trade for a Developing Economy | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | **No. of Hours** |
| I | **Introduction to Indian Economy**<br>Features and Issues of Indian Economy - Planned Economic Development in India - Achievements and Failures of Planning in India – Economic Crisis and Rationale behind Economic Reforms – New Economic Policy (LPG) 1991 – NITI Aayog | | | | | | | | | | 15 |
| II | **National Income, Poverty and Human Development Index**<br>National Income – Sectoral Contributions and Economic Transition in India – Poverty and Inequality – Definition and Estimates, Gini Coefficient, Sen Index, Poverty Line - Income and Regional Inequalities: Causes and Measures, Unemployment: Nature and Extent, Measures – HDI – International Comparisons. | | | | | | | | | | 15 |
| III | **Sectors of the Indian Economy**<br>Indian Agriculture – Trends in Production and Productivity – Land Reforms – Green Revolution - Agricultural Pricing - Agricultural Marketing – Food Security - Industrial Development – Trends and Problems, MSMEs – Industrial Policy 1991 and Recent Developments - Overview of Service and Financial Sectors in India – Importance – Expansion of Private Banks. | | | | | | | | | | 14 |
| IV | **Foreign Trade**<br>Importance of Foreign Trade for a Developing Economy-Composition and Direction of India's Foreign Trade- Role of FDI and Foreign Institutional Investors- BOP Crisis - India's Trade Policy. | | | | | | | | | | 16 |
| V | **Fiscal Federalism**<br>Principles of Federal Finance – Fiscal Federalism in India – Functions and Sources of Revenue – Vertical and Horizontal | | | | | | | | | | 15 |

| | |
|---|---|
| Imbalances – Finance Commission – Reports and its Recommendations. | |
| **Total** | |

| Course Outcomes | | ProgrammeOutcome |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Outline the nature of the Indian Economy and highlight the changes | PO1,PO2 |
| 2 | Discuss the major issues of Poverty, Inequality, Unemployment, and Human Development in India in comparison to other countries | PO6, PO8 |
| 3 | Provide a qualitative and quantitative overview of different sectors of the Indian Economy | PO1,PO2,PO3 |
| 4 | Describe the components of Foreign Trade and analyze India's Balance of Payments | PO1,PO2,PO3 |
| 5 | Identify various components of fiscal federalism in India | PO1,PO2 |
| **Textbooks** | | |
| 1 | Gaurav Datt and Ashwani Mahajan "Datt and Sundaram's Indian Economy" S.Chand 72nd Edition. | |
| 2 | Kaushik Basu (Ed.) (2012), Oxford Companion to Indian Economy, 3rd Edition, OUP, New Delhi. | |
| 3 | Ramesh Singh, "Indian Economy", Mc Graw Hill, 2022 | |
| 4 | Sanjiv Verma, "The Indian Economy", Unique Publication, 2022 | |
| 5 | Dr. V.C Sinha,"Indian Economy Performance and Policies", SBPD Publications,2021 | |
| **Reference Books** | | |
| 1. | Puri. V.K & S.K. Misra (2022) Indian Economy | |
| 2. | Uma Kapila (Ed.) (2018) Indian Economy Since Independence | |
| 3. | Byres, T.J. (Ed.) (1997), The State, Development Planning and Liberalization in India, Oxford University Press, New Delhi | |
| 4. | Ashima Goyal(Ed.) The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism, Oxford University Press | |
| 5. | K. R. Gupta, J. R. Gupta, " Indian Economy", Altanic, 2008 | |
| **Web Resources** | | |
| 1. | http://www.niti.gov.in/ | |
| 2. | https://www.rbi.org.in/ | |
| 3. | https://hdr.undp.org/ | |
| 4. | https://www.india.gov.in/ | |
| 5. | https://www.cmie.com/ | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 15 | 14 | 14 | 15 | 15 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 2.8 | 2.8 | 3.0 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3     M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 2 | 3 | 2 | 3 | 1 |
| **CO2** | 3 | 3 | 2 | 3 | 2 |
| **CO3** | 2 | 3 | 2 | 3 | 3 |
| **CO4** | 2 | 3 | 3 | 3 | 3 |
| **CO5** | 1 | 3 | 3 | 3 | 2 |
| **Weightage** | 10 | 15 | 12 | 15 | 11 |
| **Weighted percentage of Course Contribution to PSOs** | 2 | 3 | 2.4 | 3 | 2.2 |

**Strong-3       M-Medium-2   L-Low-1**

## SECOND YEAR-SEMESTER – IV

**Semester IV**
**Hours / Week: 3**

**Code: U23EC4:A**
**Credits: 3**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **RESEARCH METHODS IN ECONOMICS** | Generic Elective-IV | | | | | 3 | 4 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | |
| C1 | To understand the meaning and significance characteristics of scientific research | | | | | | | | | | |
| C2 | To know the formulation, selection of research problem and collection of reviews | | | | | | | | | | |
| C3 | To apply the various research design in the social science research | | | | | | | | | | |
| C4 | To enumerate the data and sampling methods | | | | | | | | | | |
| C5 | To discuss the report writing techniques and its procedures | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | **No. of Hours** |
| I | **Introduction** Research: meaning and significance Characteristics of Scientific Research - Type of Research: Pure, Applied, Analytical, Exploratory, Descriptive, Surveys, Case-Study - Limitations of Social Science Research - Role of Computer Technology In Research. | | | | | | | | | | 15 |
| II | **Research Problem and Review of Literature** Research Problem: formulation and selection - necessity of defining the problem – Review of literature: Primary and Secondary Sources - importance of literature review in defining a problem - identifying gap areas from literature and research database. | | | | | | | | | | 15 |
| III | **Research Design** Research Design: Concept and Importance in Research – Features of a Good Research Design – Exploratory Research Design – Descriptive Research Design – Experimental Design: Concept of Independent & Dependent variables. | | | | | | | | | | 12 |
| IV | **Data and Sampling Methods** Data types: Qualitative and Quantitative - Sources of Primary and secondary data - Census - Sampling Methods: Probability and Non-Probability Sampling Methods - Sampling and Non-Sampling Errors | | | | | | | | | | 15 |
| V | **Hypothesis and Report Writing** Hypothesis: Types of Hypothesis - Null and Alternative Hypothesis - Parameter and Statistic - Type I and Type II | | | | | | | | | | 18 |

| | | |
|---|---|---|
| | Errors - Level of Significance and Critical Region - Report Writing - Types and Principles of writing the Research Report | |
| | **Total** | **75 hours** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Understand the overview of Social Science Research. | PO1, PO2,PO4 |
| 2 | Analyze the Research Process | PO1, PO2,PO4 |
| 3 | Develop the Statistical Analysis to test Economic Theory and address Policy Issues | PO3,PO4 |
| 4 | Know the sampling methods in Research. | PO1,PO2 |
| 5 | Explain the hypothesis testing and Principles of Report Writing. | PO2,PO3, PO4 |
| **Textbooks** | | |
| 1 | Krishnaswamy, O.R. (1993) Methodology of Research In Social Sciences, Himalaya publishing House. | |
| 2 | Kothari, C. R. (2004). Research Methodology: Methods and techniques. New Age International. | |
| 3 | Vinod Chandra, Anand Hareendran, "Research methodology", Pearson, 2017 | |
| 4 | R.Pannerselvam, "Research Methodology", PHI learning,2014 | |
| 5 | Ranjit Kumar, "Research Methodology", Sage Publication, 2010 | |
| **Reference Books** | | |
| 1. | Taylor, B., Sinha, G., &Ghoshal, T. (2006). Research methodology: A guide to for researchers in management and social sciences. PHI Learning Pvt. Ltd.. | |
| 2. | Bhandarkar, P. L., Wilkinson, T. S., &Laldas, D. K. (2010). Methodology & Techniques of Social Research. Himalaya Publishing House | |
| 3. | Kumar, A. (2002). Research methodology in social science. Sarup& Sons | |
| 4. | Daniel, P. S., & Sam, A. G. (2011). Research methodology. Gyan Publishing House | |
| 5. | Ethridge, D. (2004). Research methodology in applied economics: organizing, planning, and conducting economic research, Blackwell publishing | |
| **Web Resources** | | |
| 1. | http://ignou.ac.in | |
| 2. | http://egyankosh.ac.in | |
| 3. | https://www.educba.com | |
| 4. | https://research.com/research/how-to-write-research-methodology | |
| 5. | https://www.questionpro.com/blog/what-is-research/ | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 15 | 15 | 14 | 15 | 15 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 3.0 | 2.8 | 3.0 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 2 | 2 | 2 | 2 | 1 |
| **CO2** | 2 | 2 | 2 | 2 | 3 |
| **CO3** | 3 | 3 | 2 | 3 | 3 |
| **CO4** | 1 | 2 | 2 | 3 | 3 |
| **CO5** | 2 | 2 | 1 | 2 | 3 |
| **Weightage** | 10 | 11 | 9 | 12 | 13 |
| **Weighted percentage of Course Contribution to PSOs** | 2 | 2.2 | 1.8 | 2.4 | 2.6 |

**Strong-3       M-Medium-2   L-Low-1**

# RURAL AND URBAN ECONOMY (C2C)

**Semester: IV**                          **Code:**
**Credits : 2**                           **Hours:  2 hours/week**

## 1. Course Outcomes (only five outcomes – unit wise)

| CO No. | Course Outcomes | K - Level | Unit |
|--------|-----------------|-----------|------|
| CO1 | To show the key concepts of S-L and differentiate the community service and Service-Learning | K3 | 1 |
| CO2 | To study the present status of agriculture in rural India. | K2 | 2 |
| CO3 | To explain the industrial development in rural areas. | K5 | 3 |
| CO4 | To examine the infrastructural development in rural areas. | K4 | 4 |
| CO5 | To identify the problems of selected areas. | K4 | 5 |

## 2.a Syllabus

**Unit 1**

Service-Learning – Definition, difference between community service and service-learning, Principles; Whole Person Education. Identifying Community Needs, Community Partners, Reflection, and Reciprocity. Public Dissemination; Understanding of community dynamics. Project Planning Stages and report preparation

**Classroom Activity:**
   i.   Group discussion about Civic/Social responsibility (Display of Video/Documentary film (Through this activity Students should recognize civic responsibility of the society)
   ii.  Conduct a role play/games/drawing to provide problem solving skill and ignites critical thinking.
   iii. Group activity to frame questionnaire for identify community needs
   iv.  Reflection on identify the need of the community (Students go to the community for identify the community needs and reflect their experience)

**Unit 2**

**Unit II – Agriculture**
        Nature and Scope of agriculture – Role of agriculture in economic development – Agro-based industries.

**Classroom Activity:**
        i. Group discussion on agriculture and its importance in economic development

| |
|---|
| ii. Group activity for Students to identify the current schemes available for Agricultural development.<br>iii. Conduct a role play/drawings on problems of Indian agriculture.<br>iv. Conducting Quiz on Indian agriculture |

| Unit 3 |
|---|
| **Unit III – Industry**<br><br>Animal husbandry (Poultry, fishery, forestry and Piggery) – Industries; cottage, SSI and large scale industries.<br>**Classroom Activity:**<br><br>i)Group discussion about Animal husbandry industries in rural areas.<br>    ii. Paper presentation on opportunities and challenges of cottage and SSI<br>    iii. Movies show on successful entrepreneurs at rural and urban areas.<br>    iv. Assignment on role of Large scale industries in India. |

| Unit 4 |
|---|
| **Unit –IV Infrastructure**<br>              Meaning, Role of infrastructure in economic development – Recent trends in infrastructure. Transport and communication - Modes of transport – communication; postal services, telephone and internet<br><br>**Field Activity**<br>i. Identify the various infrastructure facilities in both rural and urban areas<br>ii. Summarize the problems of infrastructure in both rural and urban areas<br>iii. To know the performance of postal services and telecommunication in India. |

| Unit 5 |
|---|
| **V Report writing:**<br>  Meaning and definition of Research - sources of data-literature review-types of research design-methods of data collection- sampling methods-analysis and interpretation of data – style in research report.<br><br>**Field Activity**<br>i. Identify the various agriculture prospects and problems in rural areas.<br>ii. To create awareness among cottage and small scale entrepreneurs.<br>iii. To know the causes for industrial sickness. |

**b. Text Books:**

1. Indian Economy –Datt &Sundharam, S.Chand & Company Pvt.ltd,NewDelhi-2016.

**c. References**

1.Umakapila -Indian economy since Independence (33rd edition)-Academic Foundation (2 January 2022); Academic Foundation**-**2022

3. Specific Learning Outcomes

| Unit & Section | Course Content | Learning Outcomes | Highest Level of Bloom Taxonomic Transaction |
|---|---|---|---|
| 1 | Service-Learning – Definition, difference between community service and service-learning | Understanding the difference between S-L and other community services | K2 |
| | Principles – Whole Person Education. | Comprehend the Whole Person education | K2 |
| | Identifying Community Needs, Community Partners | Linking discipline specific knowledge and community needs Collaboration with community partners | K2 |
| | Reflection, Reciprocity | Reflection about field exposure and highlighting the benefits of the recipients and provider through service-learning | K2 |
| | Public Dissemination; Understanding of community dynamics | Recognize and celebrate the contribution of students and community | K2 |
| | Project Planning Stages and report preparation | Apply the S-L principles, analyze the community intervention, assess the community benefits present the reflection. | K2 |
| 2 | **Agriculture** Nature and Scope of agriculture | Explain the nature and scope of agriculture | K5 |
| | Role of agriculture in economic development | Describe the role of agriculture in economic development. | K6 |
| | Agro-based industries. | Outline the agro based industries | K4 |

| 3 | **Industry**<br>Animal husbandry (Poultry, fishery, forestry and Piggery) – Industries; | Discuss the Animal husbandry industries. | K2 |
|---|---|---|---|
| | Cottage, SSI and large scale industries. | Explain the small and large scale industries | K5 |
| 4 | **Infrastructure**<br>Meaning, Role of infrastructure in economic development | Summarize the role of infrastructure in economic development | K6 |
| | Recent trends in infrastructure. | Examine the recent trends in infrastructure | K4 |
| | Transport -Modes of transport | Classify the modes of transport | K2 |
| | communication; postal services, telephone and internet | Describe the postal service, telephone and internet | K2 |
| 5 | **Report writing**<br>Meaning and definition of Research - sources of data- literature review-types of research design- | Explain the sources of data | K2 |
| | Methods of data collection- sampling methods- | Describe the methods of sampling | K6 |
| | Analysis and interpretation of data – style in research report. | Explain the analysis and interpretation of data | K5 |

## **EVALUATION**

### **Continuous Internal Assessment (CIA)**

| S. No. | Classroom Activities | Marks |
|--------|---------------------|-------|
| 1. | Class participation and Discussion | **10** |
| 2. | Problem Identification  (Community Needs) | **10** |
| 3. | Journal  (Reflection) | **20** |
| 4. | Attendance | **10** |
| | **Total** | **40** |

| S. No. | Community Activities | Marks |
|--------|---------------------|-------|
| 1 | Field work report / Mini Project | 40 |
| 2 | Student presentation and Viva-voce | 20 |
| | **Total** | **60** |
| | **Grand Total 40 + 60** | **100** |

## SECOND YEAR-SEMESTER – IV

**Semester IV**
**Hours / Week: 2**

**Code: U23EC4S7**
**Credits: 2**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **Modern Banking and Insurance** | SEC-7 | | | | | 2 | 2 | 25 | 75 | 100 |
| **Learning Objectives** |||||||||||
| C1 | To discern the modern banking and insurance course |||||||||||
| C2 | To enables the learners understand new financial instruments and banking practices |||||||||||
| C3 | To know the role of insurance in economic development |||||||||||
| C4 | To understand the insurance contract and risk management |||||||||||
| C5 | To know the Major Insurance Legislation in India and its growth |||||||||||

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Banking**<br>Commercial Banks- Functions of Commercial Banks- Private and Public Sector Banks- Credit Creation - Commercial Banks's role- Payment Banks- functions- Digital Banking-Tools – Methods | 14 |
| II | **Central Banks**<br>Functions of a Central Bank – Objectives of Monetary Policy – Effects and Limitations – Narasimhan Committee Report. | 15 |
| III | **Introduction to Insurance**<br>Insurance: Meaning and Types- Role of Insurance in Economic Development -Saving and Investment Aspects – Social Vs Private Insurance: Life Vs Non-Life Insurance. Classification of Life, Health and General Insurance Policies. | 16 |
| IV | **Insurance Contract and Risk Management**<br>Meaning of contract- Insurable Interest- Utmost good faith-Principle of Indemnity and other Principles-Risk Management: Definition and Types- Management of Risk through Identification Analysis and Control. | 15 |
| V | **Insurance Business in India**<br>Major Insurance Legislation- Growth of Industry- Agricultural Insurance- Health Insurance- Reinsurance- Entry of Private Insurance Companies- Insurance Act. LIC Act, GIC Act. IRDA Act. | 15 |
| | **Total** | **75** |

| Course Outcomes | | Programme Outcome |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Recollect the financial tools and methods of banking operations | PO1,PO2 |
| 2 | Understand and describe the central banking operations. | PO1,PO2 |
| 3 | Explain various types of insurances in Practice | PO1, PO4 |
| 4 | Evaluate the insurance policies and recommend the right policies for use. | PO1, PO2,PO4,PO7 |
| 5 | Evaluate the macro level implications of the various insurances. | PO1,PO3,PO8 |

| **Textbooks** | |
|---|---|
| 1 | Srivastava P.K. (2013), Banking Theory and Practice, Himalaya Publishing House, New Delhi |
| 2 | Heffernan, S. (2005). Modern Banking. John Wiley & Sons |
| 3 | Tyagi, C. L., & Tyagi, M. (2007). Insurance Law and Practice. Atlantic Publishers & Dist. |
| 4 | J. N. Jain, "Modern Banking and Insurance : Principles and Techniques", Regal publications, 2008 |
| 5 | Prasada & Radhika Rao, "Trends of Modern Banking", BSP Publication, 2016 |

| **Reference Books** | |
|---|---|
| 1. | Finsinger J. and M.V. Pauly (Eds.) (1986), The Economics of Insurance Regulation: A Cross National Study, Macmillan London. |
| 2. | Sethi, J., & Bhatia, N. (2012). Elements of Banking and Insurance. PHI Learning Pvt. Ltd.. |
| 3. | Lewis, M. K. (1992). Modern Banking in Theory and Practice. Revue Economique, 203-227. |
| 4. | Tripathy, N. P., & Pal, P. (2005). Insurance: Theory and practice. PHI Learning Pvt. Ltd. |
| 5. | Muraleedharan, D. (2014). Modern Banking: Theory and Practice. PHI Learning Pvt. Ltd.. |

| **Web Resources** | |
|---|---|
| 1. | https://www.irdai.gov.in |
| 2. | https://rbi.org.in |
| 3. | https://www.studocu.com |
| 4. | https://www.indiapost.gov.in/Financial/Pages/Content/pli.aspx |
| 5. | https://licindia.in/ |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 15 | 15 | 14 | 14 | 15 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 3.0 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3   M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 3 | 2 |
| **CO2** | 3 | 3 | 3 | 2 | 2 |
| **CO3** | 2 | 2 | 3 | 3 | 2 |
| **CO4** | 3 | 3 | 3 | 3 | 3 |
| **CO5** | 3 | 3 | 3 | 2 | 2 |
| **Weightage** | 14 | 14 | 15 | 13 | 11 |
| **Weighted percentage of Course Contribution to PSOs** | 2.8 | 2.8 | 3 | 2.6 | 2.2 |

**S-Strong-3    M-Medium-2   L-Low-1**

# THIRD YEAR - SEMESTER-V

**Semester V**                                              **Code: U23EC509**
**Hours / Week: 5**                                          **Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **MONETARY ECONOMICS** | Core IX | | | | | 4 | 5 | 25 | 75 | 100 |

| | **Learning Objectives** |
|---|---|
| C1 | To understand the theories that governs and its application |
| C2 | To explains working of the Monetary System and its uses |
| C3 | To know the Role of Commercial Banks after Nationalisation and its operations |
| C4 | To compare the monetarism and Keynesianism |
| C5 | To identify the role of central banks and its operations |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Money**<br>Definition, functions, Importance-Forms of Money- Supply of Money (M1, M2, M3, M4)-Crypto Currencies. | 15 |
| II | **Demand for Money**<br>Demand for Money: Classical, Keynesian and Baumol's Inventory theoretic Approach- James Tobin's Portfolio Approach - Milton Friedman's Reformulated Quantity Theory. | 15 |
| III | **Monetarism Vs Keynesianism**<br>Monetarism Vs Keynesianism- Comparison- Determinants of Money Supply – Money Multiplier. Supply Side Policies of Inflation. | 15 |
| IV | **Commercial Banks**<br>Commercial Banks - Credit Creation – Role of Commercial Banks after Nationalisation- RBI's role in Commercial Banks - Narasimhan Committee Report. | 15 |
| V | **Monetary Stability and Central Bank**<br>Inflation and Deflation: Definition, Types, Causes and Effects- Demand-Pull and Cost-Push Inflation- Central Bank Functions - Reserve Bank of India (RBI) -Monetary Policy and its Operations in India. | 15 |
| | **Total** | **75** |

| Course Outcomes | | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Acquire knowledge of Money and its Functions. | PO1,PO2 |
| 2 | Understand the Demand for Money and its Determinants. | PO1,PO2 |
| 3 | Acquire information on Supply of Money and its Determinants. | PO1,PO2 |
| 4 | Understand operations of Commercial Banks and Money Multiplier. | PO1,PO2,PO3 |
| 5 | Identify the Monetary Policy Implications | PO1,PO2,PO8 |
| **Textbooks** | | |
| 1 | Gupta R.D. (1995), Keynes and Post Keynesian Economics, Kalyani Publishers, New Delhi. | |
| 2 | Jhingan M. L. (2004), Monetary Economics, Konark Publication, New Delhi. | |
| 3 | Jagdish Handa, "Monetary Economics", Talyor & Francis, 2008 | |
| 4 | L. Blume, Steven Durlauf, " Monetary Economics", Palgrave Macmillan, 2016 | |
| 5 | Keith Bain, Peter Howells, "Monetary Economics:Policy and Its Theoretical Basis"", Macmillan, 2009 | |
| **Reference Books** | | |
| 1. | Vaish M.C. (2004), Money, Banking and International Trade, New Age International (P) Ltd, New Delhi. | |
| 2. | Sundaram K.P.M. (1996), Money, banking and International Trade, Vikas, New Delhi. | |
| 3. | Basil J. Moore (1965), An Introduction to the theory of Finance, Oxford University Press. | |
| 4. | Sethi, T.T. (2003). Monetary Economics: S. Chand and Co., New Delhi | |
| 5. | Ghosh, B.N. and Rama Ghosh. (1989). Fundamentals of Monetary Economics, Himalaya Publishing House, Mumbai | |
| **Web Resources** | | |
| 1. | www.rbi.org.in | |
| 2. | https://www.imf.org | |
| 3. | https://www.oecd.org | |
| 4. | https://www.bis.org/publ/work437.pdf | |
| 5. | https://www.worldbank.org/ | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 14 | 15 | 14 | 14 | 15 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3   M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 3 | 2 |
| **CO2** | 3 | 2 | 3 | 2 | 2 |
| **CO3** | 3 | 2 | 3 | 2 | 2 |
| **CO4** | 3 | 2 | 3 | 2 | 2 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 15 | 12 | 15 | 12 | 11 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 2.4 | 3 | 2.4 | 2.2 |

**S-Strong-3   M-Medium-2   L-Low-1**

# THIRD YEAR - SEMESTER-V

**Semester V**
**Hours / Week: 5**

**Code: U23EC510**
**Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **FISCAL ECONOMICS** | Core -X | | | | | 4 | 5 | 25 | 75 | 100 |
| | **Learning Objectives** | | | | | | | | | | |
| C1 | To enable students to acquire Knowledge on the various facets of Fiscal Economics. | | | | | | | | | | |
| C2 | To illustrates various theories of fiscal economics and its applications | | | | | | | | | | |
| C3 | To describes the budget process and features of a good tax system | | | | | | | | | | |
| C4 | To analyse the trends in public expenditure and debt management | | | | | | | | | | |
| C5 | To evaluate the Budget of the Government of India, central and state relation | | | | | | | | | | |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Introduction**<br>Fiscal Economics: Nature, Scope, Objectives and Instruments - Major Fiscal Functions - Market Failure: Public Goods and Private Goods, Externalities, Efficiency Versus Equity- Principles of Functional Finance. | 15 |
| II | **Theories of Fiscal Economics and Policy**<br>Principle of Maximum Social Advantage -The Benefit Approach- The Ability-to- Pay Approach-Equal Sacrifice Principle- Fiscal Policy and its Instruments. | 14 |
| III | **Budget and Taxation**<br>Role of Government in a Modern Economy- Public Budget: Types and Structure - Taxation -Features of a Good Tax System- Direct and Indirect Taxes - Concept of Impact- Incidence and Shifting of Taxation-Elasticity and Determination of Tax Burden - Optimal Taxation. | 16 |
| IV | **Public Expenditure and Debt**<br>Public Expenditure: Canons and Classification -Wagner's Law of Public Expenditure - Public Debt: Meaning and Types, Burden of Public Debt-Principles of Public Debt Management– Deficit Financing. | 15 |
| V | **Indian Public Finance**<br>Budget of the Government of India (Previous Financial Year)-Sources of Public Receipts (Tax and Non-Tax, GST and its Impacts)-Components of Public Expenditure-Sources of Public Borrowing and Debt Liabilities-Deficits-Appraisal of FRBM Act 2004 - Fiscal Federalism: Centre and State Relations - Finance Commission Recommendations of Last 3 years. | 15 |
| | **Total** | **75** |

| | Course Outcomes | Programme Outcome |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Understand the importance and Instruments of Fiscal Economics. | PO1,PO2 |
| 2 | Evaluate the Principles and theories of Public Finance. | PO2 |
| 3 | Analyze the Budget, Indian Tax System and Policy. | PO2,PO3 |
| 4 | Describe Classification, Laws of Public Expenditure and Public Debt. | PO1,PO2 |
| 5 | Know the Indian Public Finance System and Policy Recommendations. | PO1,PO3,PO7 |
| **Textbooks** | | |
| 1 | Bhatia H.L., (2012), Public Finance, Vikas Publications. | |
| 2 | Tyagi B.P and H.P.Singh(2018) " Public Finance" Jai Prakash Nath & Co ,Meerut | |
| 3 | Dr. S.K Singh, "Public Finance in theory and Practice", S. Chand Publishing, 2008 | |
| 4 | Lekhi,"Public Finance", Kalyani Publishers, 2015. | |
| 5 | Richard. A. Musgrave & Peggy B. Musgrave, "Public Finance in Theory and Practices", McGraw Hill International Edition, New York,2006. | |
| **Reference Books** | | |
| 1. | Harvey Rosen, (2005), Public Finance, Seventh Edition, McGraw Hill Publications. | |
| 2. | Kaushik Basu and Maertens (Ed), (2013), The New Oxford Companion to Economics in India, Oxford University Press. | |
| 3. | Sury M.M., (1990), Government Budgeting in India, Commonwealth Publishers. | |
| 4. | Andley and Sundaram. (2004). Public Finance, Ratan Prakashan, Agra. | |
| 5. | Mu Raja J. Chelliah, "Fiscal Policy in Underdeveloped Countries", Allen and Moowbray Limited at the Alden Press Oxford, II Edition,2012. | |
| **Web Resources** | | |
| 1. | https://finmin.nic.in/ | |
| 2. | https://www.nipfp.org.in/ | |
| 3. | https://www.niti.gov.in/ | |
| 4. | https://www.gst.gov.in/ | |
| 5. | https://www.indiabudget.gov.in/ | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 15 | 14 | 14 | 14 | 15 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 2.8 | 3.0 | 2.8 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

## Level of Correlation between PSO's and CO's

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 3 | 3 |
| **CO2** | 2 | 2 | 3 | 3 | 2 |
| **CO3** | 3 | 3 | 3 | 2 | 3 |
| **CO4** | 2 | 2 | 2 | 2 | 1 |
| **CO5** | 3 | 3 | 2 | 3 | 2 |
| **Weightage** | 13 | 13 | 13 | 13 | 10 |
| **Weighted percentage of Course Contribution to PSOs** | 2.6 | 2.6 | 2.6 | 2.6 | 2 |

**S-Strong-3    M-Medium-2   L-Low-1**

# THIRD YEAR - SEMESTER-V

**Semester V**
**Hours / Week: 5**

**Code: U23EC511**
**Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **INDUSTRIAL ECONOMICS** | Core-XI | | | | | 4 | 5 | 25 | 75 | 100 |
| | **Learning Objectives** | | | | | | | | | | |
| C1 | To discuss the Features, Performance and development issues of the Indian Economy | | | | | | | | | | |
| C2 | To analyse the various theories of Industrial Location. | | | | | | | | | | |
| C3 | To know the licensing policies and industrial sickness | | | | | | | | | | |
| C4 | To describe the growth Patterns in Indian Industrial Sector. | | | | | | | | | | |
| C5 | To observe the trends and prospects of industrial growth in India | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | **No. of Hours** |
| I | **Introduction** Nature and scope of Industrial Economics - History of Industrial Revolution -Digital Revolution -Classification of Industries: Public Sector, Private Sector and Public Private Partnerships- Large, MSMEs, Cottage Industries- Concept of Plant, Firm and Industry. | | | | | | | | | | 15 |
| II | **Theories of Location** Theories of Industrial Location - Weber - Sargant Florence - Factors Affecting Location-Localization -Glocalization of Industries – Decentralization of Industries-Industrial Efficiency and Economic Efficiency- Measures of Concentration - Concentration ratio - Hirschman - Herfindahl Index. | | | | | | | | | | 16 |
| III | **Industrial Licensing and Policies** Industrial Licensing – MRTP Act – Industrial Policies -Industrial Productivity -Capacity Utilization - Industrial Sickness- Mergers and Acquisitions – Profitability and Efficiency. | | | | | | | | | | 14 |
| IV | Industrial Regions of the World and India -Industrial Clusters in India- Sunrise Sector- Regional Backwardness- Government Initiatives. | | | | | | | | | | 15 |
| V | **Growth Trends in India** Industrial Growth in India: Trends and Prospects – Incentives to Promote Industrialization – Ease of Doing Business Ranking - MNCs in India -Special Economic Zones- FDI Policy- Make in India Initiative- National Manufacturing Policy. | | | | | | | | | | 15 |
| | **Total** | | | | | | | | | | **75** |

| Course Outcomes | | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1. | Understand the importance of Industrial Economics | PO1,PO2 |
| 2. | Examine theories of industrial Location | PO2,PO3 |
| 3. | Review the relevance of Industrial Policies | PO1,PO2,PO3 |
| 4. | Describe the Industrial belts of the World and India | PO2,PO2 |
| 5. | Analyse the Industrial Trends in the Indian Economy. | PO2,PO3 |
| **Textbooks** | | |
| 1. | Ranjana Seth . (2010) Industrial Economics Ane's Student Edition. | |
| 2. | Barthwal R.R (2007) Industrial Economics An Introductory Textbook,New Age International Publishers | |
| 3 | Dennis W.Carlton and Jeffrey M.Perloff, Modern Industrial Organisation, Cambridge University Press,2015 | |
| 4 | Rajesh Kumar R(2021) Industrial Economics and Foreign Trade Jyothis Publishers | |
| 5 | Louis Philips, "Applied Industrial Economics", Cambridge University Press, 1998 | |
| **Reference Books** | | |
| 1. | John Weiss (2011) The Economics of Industrial Development, Routledge | |
| 2. | Kuchhal, S. C. Industrial Economy of India, Chaitanya Publishing House, Allahabad (1980) | |
| 3. | Dhingra I.C and Nitin Dhingra (2013) Industrial Economics Book Age Publications | |
| 4. | Martin, S., (2001)Advanced Industrial Economics, 2nd Edition, Wiley-Blackwell | |
| 5. | Paul Belleflameet.l"The theory of Industrial Organisation- Markets and Strategies", Cambridge University Press, 2012 | |
| **Web Resources** | | |
| 1. | https://www.india.gov.in/topics/industries | |
| 2. | https://business.mapsofindia.com/india-industry | |
| 3. | https://dpiit.gov.in/ | |
| 4. | https://dri.nic.in/ | |
| 5. | https://msme.gov.in/ | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 15 | 14 | 15 | 15 | 15 | 15 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 2.8 | 3.0 | 3.0 | 2.8 | 3.0 | 2.8 | 3.00 |

**S-Strong-3     M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 2 | 2 | 3 |
| **CO2** | 3 | 3 | 2 | 2 | 3 |
| **CO3** | 3 | 3 | 2 | 3 | 3 |
| **CO4** | 2 | 3 | 2 | 3 | 3 |
| **CO5** | 3 | 3 | 2 | 3 | 3 |
| **Weightage** | 14 | 15 | 10 | 13 | 15 |
| **Weighted percentage of Course Contribution to PSOs** | 2.8 | 3 | 2 | 2.6 | 3 |

**S-Strong-3     M-Medium-2   L-Low-1**

# THIRD YEAR - SEMESTER-V

**Semester V**  
**Hours / Week: 4**

**Code: U23EC5D1**  
**Credits: 3**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **TAMIL NADU ECONOMY** | **Discipline Specific Elective - V** | | | | | 4 | 5 | 25 | 75 | 100 |

| | **Learning Objectives** |
|---|---|
| C1 | To discuss the Features, Performance and development issues of Tamil Nadu Economy |
| C2 | To analyse the agricultural and industrial scenario in Tamil Nadu |
| C3 | To understand the industrial scenario in tamil nadu and its growth |
| C4 | To know the general performance of the tamilnadu |
| C5 | To describe the state finances and its development initiatives |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Introduction** <br> Tamil Nadu–Salient features–Geographical Features – Economic and Social Indicators –Human Development – Index Rank– Gender Disparity Index–Poverty Index –Work Participation Rate – Unemployment Rate – Literacy Rate– Life Expectancy – Demography and Occupational Patterns. | 15 |
| II | **Agriculture** <br> Agriculture–Land Use Patterns– Cropping Pattern–Irrigation - Agricultural Marketing – Defects and Remedial measures – Agricultural Finance – Policy and Issues –Crop Insurance. | 16 |
| III | **Industry** <br> Industrial Scenario in Tamil Nadu – Production Trends—Large Industries- MSMEs –Khadi and Village Industries – Export Contribution of top 5 Major Industries - Industrial Financial Institutions: TIIC, SIDCO, SIPCOT, Industrial Estates-DIC, EPZ, SPZ, SEZ. | 14 |
| IV | **State Finances and Development Initiatives** <br> State Finance – Revenue and Expenditure of the State – Tamil Nadu's Recent Budget – Poverty Alleviation and Unemployment Programmes – Education and Health Care and State Welfare Programmes. | 15 |
| V | **General Performance of the State** <br> Tourism and Medical Tourism – Women Empowerment Programme – Self Help Groups and Micro Finance-MahalirThittam - Environmental Protection Measures. | 15 |
| | **Total** | **75** |

| Course Outcomes | | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Understand salient features, Poverty, Unemployment of Tamil Nadu Economy | PO1,PO2 |
| 2 | Examine the Issues in Indian Agriculture, Land Use Patterns, finance and Insurance | PO2,PO3 |
| 3 | Grasp the Industrial Scenario in Tamil Nadu | PO1,PO7 ,PO8 |
| 4 | Describe the status of State Finances and Development Programmes of Tamil Nadu | PO2,PO3 |
| 5 | Analyse the overall performance of Tamil Nadu Economy. | PO3,PO7,PO8 |
| **Textbooks** | | |
| 1 | Leonard A.G,S.J, (2006), Tamil Nadu Economy, Macmillan India Ltd, New Delhi | |
| 2 | Naganathan M (2002), Tamil Nadu Economy: Trends and Prospects,(ed.), University of Madras. | |
| 3 | Rajalakshmi N, (1999), Tamil Nadu Economy, Business Publishers, Bombay. | |
| 4 | Kuppusamy.K, "Socio-Economic Development Of India, Sharadha Publications, 2014 | |
| 5 | S. Perumalsamy, " Economic Development of Tamil Nadu",S.Chand & Company,1985 | |
| **Reference Books** | | |
| 1. | Veeramani A.R., Tamil Nadu Agricultural Economy,Divyasre Publication,2015 | |
| 2. | Manickam.S, (2010), Tamil Nadu – An Economic Appraisal, Department of Evaluation and Applied Research, Panorama of Indian Economy. | |
| 3. | Madras Institute of Development Studies, (1988), Tamil Nadu Economy: Performance and Issues, Oxford and IBH Publishing Company Pvt. Ltd., New Delhi | |
| 4. | Kurien C.T and James Joseph (1979), "Economic Change in Tamil Nadu: A Regionally and Functionally Disaggregated Study", Allied Publishers Pvt. Ltd. New Delhi. | |
| 5. | | |
| **Web Resources** | | |
| 1. | www.tn.gov.in | |
| 2. | http://tnenvis.nic.in/ | |
| 3. | https://www.msmeonline.tn.gov.in/ | |
| 4. | https://ctd.tn.gov.in | |
| 5. | https://www.tamilnadutourism.tn.gov.in | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 14 | 14 | 14 | 14 | 15 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 2.8 | 3.0 | 2.8 | 2.8 | 3.0 | 2.8 | 3.00 |

**S-Strong-3   M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 2 | 3 | 3 |
| **CO2** | 3 | 3 | 2 | 3 | 3 |
| **CO3** | 3 | 3 | 3 | 3 | 2 |
| **CO4** | 3 | 3 | 2 | 3 | 3 |
| **CO5** | 3 | 3 | 2 | 3 | 3 |
| **Weightage** | 15 | 15 | 11 | 15 | 14 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 3 | 2.2 | 3 | 2.8 |

**S-Strong-3   M-Medium-2   L-Low-1**

# THIRD YEAR - SEMESTER-V

**Semester V**                                                    **Code: U23EC5D3**

**Hours / Week: 5**                                               **Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **GENDER ECONOMICS** | Elective | | | | | 3 | 5 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | | |
| C1 | Students will be able to sensitize on issues that is related to gender | | | | | | | | | | |
| C2 | To understand the conceptual clarification of women and work | | | | | | | | | | |
| C3 | To analyse the Women in Organized and Unorganized Sectors in an Economy | | | | | | | | | | |
| C4 | Identify the marginalization of women in economic theory and in the economy | | | | | | | | | | |
| C5 | Incorporate gender in mainstream policy making | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | **No. of Hours** | |
| I | **Introduction to Gender Analysis and Economics** Definition - Gender - Gender Analysis: Purpose and Scope - Feminist Perspective in Economics - Classical and Neoclassical Economics- Post Keynesian Economics-Economic Measurements - Empirical Challenges. | | | | | | | | | 12 | |
| II | **Development and Anti - Development** Development Versus Anti-Development - Women In Development (WID)- Women and Development (WAD)-Gender And Development – Women And Empowerment-Women And Environment – Ecofeminism. | | | | | | | | | 15 | |
| III | **Women and Work – A Conceptual Clarification** Invisibility of Women – "Statistical Purdah" - A Critique of Methods, Concepts, Definitions Employed in Economic Theory- A Critique of The Data System In India (Application) - Measures To Rectify This Invisibility | | | | | | | | | 18 | |
| IV | **Marginalization of Women** Women Sidelined – Gender – Discrimination Theories - Women in The Labour Market – Sexual Division of Labour, Wage Differentials, Micro Credit - Women in The Organized and Unorganized Sectors Of The Indian Economy (Application) - Feminization Of Work and Feminization Of Poverty | | | | | | | | | 15 | |
| V | **Gender, The Economy and Related Issues** Population – Demographic Features - Health and Education - Policy Measures – Government and NGOs– Gender Budgeting | | | | | | | | | 15 | |
| | **Total** | | | | | | | | | **75** | |

| Course Outcomes | | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Recognize needs for Gender Analysis | PO1,PO5 |
| 2 | Analyze the role of gender in development | PO1,PO2,PO5 |
| 3 | Identify the reasons behind the marginalization of women | PO2,PO5 |
| 4 | Formulate policies to include the excluded | PO5, PO7 |
| 5 | Integrate gender in Mainstream Economics | PO3, PO7 |
| **Textbooks** | | |
| 1 | Jaya Shrivatsava(2018) Gender Discrimination and Inequality in Contemporary India: Dimensionsand Voices of Protests, Kalpaz Publications. | |
| 2 | Caroline Criado Perez(2019) Invisible Women: Data Bias in a World Designed for Men, Harry N.Abrams. | |
| 3 | Mukesh Eswaran (2020)Why Gender Matters in Economics Princeton University Press | |
| 4 | K.R.Gupta, "Gender Problems and Policies", Atlantic, 2009. | |
| 5 | Joyce Jacobsen , "The Economics of Gender", Wiley – Blackwell Publisher 3rd Edition, 2007 | |

| Reference Books | |
|---|---|
| 1. | GOI (1987), Shram Shakti, Report on the National Commission on Self – employed Women and Women in the Informal Sector New Delhi. |
| 2. | Julie A Nelson (1996), Feminism, Objectivity and economics, Routledge, London. |
| 3. | Krishnaraj,Maithreyiand JoyP. Deshmukh(1991), Gender in Economics, Ajantha Publishers, New Delhi |
| 4. | Loutfi,MF(ed.)(2002),Women,Gender&Work,Rawat Publishers, New Delhi |
| 5. | Krishnaraj, M., and M.P.D. Joy. Gender in Economics. Ajantha, New Delhi, 1991 |
| **Web Resources** | |
| 1. | https://www.unwomen.org/en/how-we-work/intergovernmental-support/world-conferences-on-women |
| 2. | https://wcd.nic.in/ |
| 3. | https://www.tn.gov.in/department/30 |
| 4. | http://icds-wcd.nic.in/ |
| 5. | http://ncw.nic.in/ |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 14 | 14 | 15 | 14 | 15 | 15 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 2.8 | 3.0 | 2.8 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 2 | 3 | 3 |
| **CO2** | 3 | 3 | 2 | 3 | 3 |
| **CO3** | 2 | 3 | 2 | 3 | 3 |
| **CO4** | 3 | 3 | 2 | 3 | 3 |
| **CO5** | 3 | 3 | 2 | 3 | 3 |
| **Weightage** | 14 | 15 | 10 | 15 | 15 |
| **Weighted percentage of Course Contribution to PSOs** | 2.8 | 3 | 2 | 3 | 3 |

**S-Strong-3    M-Medium-2   L-Low-1**

# THIRD YEAR - SEMESTER –VI

**Semester VI**                                              **Code: U23EC613**

**Hours / Week: 6**                                          **Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **INTERNATIONAL ECONOMICS** | Core-XIII | | | | | 4 | 6 | 25 | 75 | 100 |
| | **Learning Objectives** | | | | | | | | | | |
| C1 | To evaluate critical overview of International Trade theories | | | | | | | | | | |
| C2 | To understand the Foreign Exchange Market and its operations | | | | | | | | | | |
| C3 | To know the BOP disequilibrium and International Trade Policy. | | | | | | | | | | |
| C4 | To impart knowledge on Foreign Exchange Market and its concepts | | | | | | | | | | |
| C5 | To familiarize students on Trade Policies | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | **No. of Hours** | | |
| I | **Introduction** Nature and Scope of International Economics -The Globalization of the World Economy - International Trade and the Nation's Standard of Living - International Trade Policy - Current International Economic Problems and Challenges. | | | | | | | | 15 | | |
| II | **International Trade Theories** Absolute Advantage: Adam Smith - Comparative Advantage: David Ricardo - Opportunity Cost: Haberler - Reciprocal Demand: Mill - Offer Curves: Marshall - Factor Endowments: Heckscher-Ohlin - Leontief Paradox - Economic Growth and International Trade. | | | | | | | | 14 | | |
| III | **Foreign Exchange Market** Foreign Exchange Market: Function and structures - Exchange Rates: Fixed, Flexible, Floating, Pegged, Nominal and Real Exchange Rates - Theories of Exchange Rates: Mint Parity Theory, Purchasing Power Parity Theory, and Balance of Payments Theory. | | | | | | | | 16 | | |
| IV | **Balance of Payments** The Balance of Payments Account - Equilibrium and Disequilibrium in BOP - Surplus and Deficit in BOP- Adjustment Mechanism: Direct and Indirect Mechanisms– Export Promotion and Import Substitution. | | | | | | | | 15 | | |
| V | **Terms of Trade and Trade Policy** Terms of Trade: Concept and Determinants - Terms of trade and Economic Development - Tariff and Non-Tariff Barriers – Effects – Quotas - Import Quotas Vs Tariffs - | | | | | | | | 15 | | |

| | Free Trade and Economic Development-Free Trade Vs Protection. | |
|---|---|---|
| | **Total** | **75** |

| Course Outcomes | | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Develop ideas of the basic characteristics of Globalisation of the World Economy and its current international economic problems and challenges. | PO1 |
| 2 | Grasp the basic theories of International Trade and Economic Growth. | PO1 |
| 3 | Understand the functions, structure and theories of Foreign Exchange Market. | PO1,PO2,PO3 |
| 4 | Describe the BOP disequilibrium, Adjustment Mechanism, Export Promotion and Import Substitution. | PO2,PO3 |
| 5 | Outline the concepts of terms of trade and assess the Tariff, quotas, Free trade and economic development | PO1,PO2 |
| **Textbooks** | | |
| 1 | Mithani D.M (2002), Introduction to International Economics, Vora & Co Publishers, Bombay. | |
| 2 | Dwivedi, D. N. (2013). International Economics: Theory and Policy. Vikas Publishing House, New Delhi. | |
| 3 | Cherunilam, Francis (2006). International Economics, Tata McGraw-Hill Publishing Co. Ltd., New Delhi | |
| 4 | M.L Jhingan, " International Economics", Vrinda publications, 2016 | |
| 5 | K.R.Gupta, International Economics, Atlantic Publishers, 2017 | |
| **Reference Books** | | |
| 1. | Paul Krugman, Maurice Obstfeld, and Marc Melitz, (2012), International Economics: Theory and Policy, Addison-Wesley (Pearson Education Indian Edition), 9th edition. | |
| 2. | Kindleberger, C.P (1977). International Economics, D.B. Taraporevala Sons and Co. Pvt. Ltd., Bombay | |
| 3. | Leamer, E. E., & Stern, R. M. (2017). Quantitative International Economics. Routledge. | |
| 4. | Salvatore, D. (2016). International Economics.John Wiley & Sons. | |
| 5. | Jones, R. W., Grossman, G. M., Kenen, P. B., Rogoff, K., Gopinath, G., &Helpman, E. (Eds.). (1997). Handbook of International Economics (Vol. 3). Elsevier. | |
| **Web Resources** | | |
| 1. | https://www.imf.org | |
| 2. | https://www.forextime.com/education/forex-trading-for-beginners | |
| 3. | https://www.weforum.org/ | |
| 4. | https://www.wto.org/ | |

| 5. | https://policy.trade.ec.europa.eu/eu-trade-relationships-country-and-region/negotiations-and-agreements_en |
|----|----|

**Mapping with Programme Outcomes:**

|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
|----|----|----|----|----|----|----|----|----|
| **CO 1** | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 14 | 15 | 14 | 14 | 15 | 15 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 3.0 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|----|----|----|----|----|----|
| **CO1** | 3 | 3 | 3 | 3 | 3 |
| **CO2** | 3 | 3 | 2 | 3 | 2 |
| **CO3** | 3 | 3 | 2 | 3 | 2 |
| **CO4** | 3 | 3 | 3 | 2 | 2 |
| **CO5** | 3 | 3 | 2 | 3 | 3 |
| **Weightage** | 15 | 15 | 12 | 14 | 12 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 3 | 2.4 | 2.8 | 2.4 |

**S-Strong-3    M-Medium-2   L-Low-1**

# THIRD YEAR - SEMESTER –VI

**Semester VI**                                          **Code: U23EC614**

**Hours / Week: 6**                                      **Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | CIA | External | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **DEVELOPMENT ECONOMICS** | **Core - XIV** | | | | | 4 | 6 | 25 | 75 | 100 |

| | **Learning Objectives** |
|---|---|
| C1 | To focuses on themes that cut across core values in development economics |
| C2 | To describes the various approaches and theories of development. |
| C3 | To analyze the significance of Development Models in Economic Planning |
| C4 | To enable the students to know about Development and Growth Models. |
| C5 | To probe the role of Financial System in Economic Development |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Introduction**<br><br>Meaning and Nature of Development Economics – Core values of Development- Amartya Sen's Approach – Economic Growth Vs. Development – Progress and Economic Welfare – Comparative Economic Development. | 12 |
| II | **Theories of Economic Growth and Development – I**<br>Rostow's stages of Growth – Big Push Theory - Theory of Critical Minimum Effort - Utilisation of Surplus Manpower – Lewis Theory, Nurkse Theory - Rural Urban Migration – Harris-Todaro Model. | 15 |
| III | **Theories of Economic Growth and Development – II**<br>Harrod-Domar Model (Critical Expansion and Growth) - - Solow Model of Growth - Technical Progress and Growth - Human Capital and Growth - Myrdal Model (Cumulative Causation Thesis) - Kaldor Model (Model of Distribution). | 18 |
| IV | **Development Planning**<br>Development Planning – Concept and Rationale- Basic Models of Development Planning process – Government Failure and Market Economy – Role of NGOs in Economic Development – Trends in Governance and Reforms. | 15 |
| V | **Financing Economic Development** | 15 |

| | Role of Financial System in Economic Development – Formal Versus Informal Finance – Micro Finance – Foreign Finance – Foreign Aid - Development Assistance Debate. | |
|---|---|---|
| | **Total** | **75** |

| Course Outcomes | | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Outline the central themes and approaches to Development. | PO1,PO2 |
| 2 | Compare and contrast the theories of Growth and Development | PO1,PO2,PO3 |
| 3 | Critically analyse various Models of Growth. | PO2,PO3,PO7 |
| 4 | Examine the welfare impact of Development Planning and proposed development interventions by different institutions | PO1, PO2,PO3,PO7 |
| 5 | Evaluate the source and significance of Finance in Economic Development | PO3,PO4 |
| **Textbooks** | | |
| 1 | Ahuja H.L. (2016), Development Economics, S. Chand and Company Ltd. | |
| 2 | Jhingan M.L. (2016), Economics of Development Planning, Himalaya Publication House, 41$^{st}$Edition. | |
| 3 | Dutt, A. (2003). Development Economicsand Structuralist Macroeconomics. Edward Elgar Publishing. | |
| 4 | Debraj Ray, "Development Economics", Oxford IndianPaperbacks,1998 | |
| 5 | Alain de Janvry, Elisabeth Sadoulet,"Development Economics:Theory and Practice", Talyor & Francis, 2021 | |
| **Reference Books** | | |
| 1. | Todaro Michael and C Smith Stephen (2017) Economic Development, Pearson, 12$^{th}$Edition | |
| 2. | Taneja & R. M. Myre M.L. (2017), Economics of Development and Planning, Vikas Publishing Co., 15$^{th}$Edition | |
| 3. | Kulwant Rai Gupta (2006& 2009), Economics of Development & Planning (Vol. 1& Vol.2), Atlantic Publishers and Dist. | |
| 4. | Huq, M. M., Clunies-Ross, A., & Forsyth, D. (2009). Development Economics. McGraw Hill. | |
| 5. | Meier, G. M., & Stiglitz, J. E. (Eds.). (2001). Frontiers of Development Economics: the future in perspective. World Bank Publications. | |
| **Web Resources** | | |
| 1. | https://web.mit.edu/krugman/www/dishpan.html | |
| 2. | http://www.niti.gov.in/ | |
| 3. | https://ida.worldbank.org/en/what-is-ida | |
| 4. | https://www.trade.gov/ | |
| 5. | https://www.saarc-sec.org/ | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 14 | 14 | 14 | 14 | 15 | 15 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 2.8 | 2.8 | 2.8 | 3.0 | 2.8 | 2.8 | 3.00 |

**S-Strong-3  M-Medium-2  L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 3 | 2 |
| **CO2** | 2 | 3 | 2 | 3 | 2 |
| **CO3** | 3 | 3 | 3 | 3 | 3 |
| **CO4** | 3 | 3 | 2 | 3 | 3 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 14 | 15 | 13 | 15 | 13 |
| **Weighted percentage of Course Contribution to PSOs** | 2.8 | 3 | 2.6 | 3 | 2.6 |

**S-Strong-3    M-Medium-2   L-Low-1**

# THIRD YEAR - SEMESTER –VI

**Semester VI**                                                      **Code: U23EC615**

**Hours / Week: 6**                                                  **Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **AGRICULTURAL ECONOMICS** | Core - XV | | | | | 4 | 6 | 25 | 75 | 100 |
| | **Learning Objectives** | | | | | | | | | | |
| C1 | To probe into the various issues in agricultural Labour | | | | | | | | | | |
| C2 | To understand the marketing, Finance and Price Policy of Agriculture | | | | | | | | | | |
| C3 | To study the impact of Agriculture on Indian Economic Scenario. | | | | | | | | | | |
| C4 | To assess the Sustainable agriculture Development In india | | | | | | | | | | |
| C5 | To familiarize students about the significance of Sustainable Agriculture. | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | **No. of Hours** | |
| I | **Introduction** Scope and significance of Agriculture- Role of Agriculture in India's Development- Inter-sectoral Linkages - Farm Management: Definition and Principles-Management of Risks in Agriculture. | | | | | | | | | 12 | |
| II | **Agricultural Labour** Agricultural labour: Definition - Types – Supply of Labour – Problems - Rural Unemployment: Types, Consequences and Remedial Measures- Minimum Wages for Agricultural Workers– Recent Wage and Self-Employment Programmes | | | | | | | | | 15 | |
| III | **Agricultural Finance** Agricultural Finance: Meaning, Nature, Types, Sources and Problems of Agricultural Finance- Cooperatives in Rural Finance- Role of Commercial Banks and NABARD – Farm Capital - Meaning, Types and Marginal Efficiency of Farm – Agricultural Capital Formation | | | | | | | | | 15 | |
| IV | **Agricultural Price Policy** Objectives and need of Agricultural Price Policy – Stability and Trends in Agricultural Prices – Evaluation of Agricultural Price Policy in India – Agricultural Exports - Current Issues in Indian Agriculture. | | | | | | | | | 15 | |
| V | **Sustainable Agriculture and Food Security** Development issues: Poverty, Inequality, Unemployment and Environmental Degradation - Green Revolution: Recent Developments– Methods and Issues - Population and Food Supply- Food Security and Public Distribution System in India. | | | | | | | | | 18 | |
| | **Total** | | | | | | | | | **75** | |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Understand the relevance of Agricultural Economics and Development | PO1,PO2 |
| 2 | Examine the importance of Agricultural Labour in Rural Development | PO1,PO2 |
| 3 | Identify the sources and importance of Agricultural Finance. | PO3, PO7 |
| 4 | Analyze the trends in Agricultural Prices | PO1, PO2,PO3 |
| 5 | Evaluate the Major issues pertaining to Agriculture. | PO3,PO4 |
| **Textbooks** | | |
| 1 | Lekhi R.K. and Joginder Singh, (2015), Agricultural Economics: An Indian Perspective, Kalyani Publishers, Ludhiana. | |
| 2 | Sadhu An, Singh Amarjit and Singh Jasbir, (2014), Fundamentals of Agricultural Economics, Himalaya Publishing House, Delhi | |
| 3 | Mridula Mishra, (2010), Agriculture and Food Economics, Serials Publication, New Delhi. | |
| 4 | John B.Penson,Jr, Oral Capps, Jr, C.ParrRosson III, Richard. T. Woodward, "Introduction to Agricultural Economics", Pearson Publications,2017. | |
| 5 | Dr.B.P.Tyagi, "Agricultural Economics & Rural Development", Jai Prakashnath& Co., 2017. | |
| **Reference Books** | | |
| 1. | Janardhana Rao. N, (2005), Indian Agriculture: Issues and Perspectives, ICFAI University Press, Hyderabad. | |
| 2. | Gray, L. C. (2013). Introduction to Agricultural Economics. Read Books Ltd. | |
| 3. | Barkley, A., & Barkley, P. W. (2016). Principles of Agricultural Economics. Routledge. | |
| 4. | Cramer, G. L., Jensen, C. W., & Southgate Jr, D. D. (2001). Agricultural Economics and Agribusiness (No. Ed. 8). John Wiley and Sons. | |
| 5. | Colman, D., & Young, T. (1989). Principles of Agricultural Economics: Markets And Prices In Less Developed Countries. Cambridge University Press. | |
| **Web Resources** | | |
| 1. | https://icar.org.in/ | |
| 2. | https://www.icrisat.org/ | |
| 3. | https://www.nabard.org/ | |
| 4. | https://www.fao.org | |
| 5. | https://farmer.gov.in/mspstatements.aspx | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 14 | 14 | 15 | 14 | 15 | 15 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 2.8 | 3.0 | 2.8 | 3.0 | 3.0 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 3 | 2 |
| **CO2** | 2 | 3 | 2 | 3 | 2 |
| **CO3** | 3 | 3 | 3 | 3 | 3 |
| **CO4** | 3 | 3 | 2 | 3 | 3 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 14 | 15 | 13 | 15 | 13 |
| **Weighted percentage of Course Contribution to PSOs** | 2.8 | 3 | 2.6 | 3 | 2.6 |

**S-Strong-3    M-Medium-2   L-Low-1**

# THIRD YEAR - SEMESTER –VI

**Semester VI**                                                          **Code: U23EC6D1**

**Hours / Week: 5**                                                      **Credits: 4**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **BASIC ECONOMETRICS** | **Discipline Specific Elective-VII** | | | | | 3 | 5 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | |

| | **Learning Objectives** |
|---|---|
| C1 | To analyse the Economic Relationship mathematically. |
| C2 | To estimate  testing hypotheses, forecasting which helps in Policy Decision Making |
| C3 | To understand the application of economic theories in real time situations |
| C4 | To evaluate the  Violation of Assumptions in econometric applications |
| C5 | To understand and analyze various Econometric Models and its application. |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Introduction**<br>Definition – Scope – Divisions – Objectives – Use of Econometrics – Econometrics and Mathematical Economics – Econometrics and Statistics – Methodology of Econometrics - Basic ideas of Linear Regression Model–Two variable Model, Population regression Function (PRF), Sample Regression Function (SRF) – Error term U – significance - Stochastic form of PRF and SRF. | 12 |
| II | **Estimation**<br>Classical Linear Regression Model – Assumptions – Method of Ordinary Least Squares (OLS) – Derivation of OLS Estimators - Derivation of variance and Standard error of OLS estimators (Simple Linear Regression) – Properties of OLS estimators- Gauss–Markov Theorem – Proof – Three Variable Model estimation (Basic Idea only) – Hypothesis Testing (t and F test)–Test of Goodness of Fit $R^2$ and Adjusted $R^2$. | 18 |
| III | **Violation of Assumptions**<br>Multi-collinearity: Nature, Consequences, detection and Remedial Measures- Heteroscedasticity: Nature-Consequences Detection and Remedial Measures- Autocorrelation: Nature, Consequences, Detection and Remedial Measures. | 15 |
| IV | **Functional Forms and  Dummy Variables**<br>Regression through the origin - Double Log Model – Measurement of Elasticity – Semi log model – Measurement of Growth. | 15 |

| | Dummy Variables – ANOVA and ANCOVA Models – Dummy Variable Trap – Uses – Interaction Effects – Structural Changes – Seasonal Variations – Piecewise Linear Regression. Autoregressive and Distributed Lag Model – Ad Hoc Method of Estimation – Koyck Transformation – Mean and Median Lag. | |
|---|---|---|

| V | **Simultaneous Equation Model** Simultaneous Equation Model:Definition and Examples – Simultaneous Equation Bias – Structural and Reduced Form Equations – Identification – Rank and Order Condition – Indirect Least Square Estimation – Two Stage Least Square Estimation. | 15 |
|---|---|---|
| | **Total** | **75** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Understanding the importance of Econometrics. | PO1,PO3 |
| 2 | Learning the estimation techniques of measuring relationship among economic variables. | PO1,PO3 |
| 3 | Developing skills of interpretation. | PO3,PO8 |
| 4 | Construct models in the testing of theories. | PO2, PO3, PO7 |
| 5 | Application of real data for policy suggestions. | PO2,PO3,PO8 |
| | **Textbooks** | |
| 1 | Gujarathi, D. M. (2022). Gujarati: Basic Econometrics. McGraw-hill. | |
| 2 | Ramanathan, R. (1992). Introductory econometrics with applications. Dryden Press. | |
| 3 | MaddallaG.S.(2001) Introduction to Econometrics, Third Edition ,Wiley India | |
| 4 | Koutsoyiannis. "A, Theory of Econometrics", Palgrave, Delhi. | |
| 5 | M.Wooldridge, "Introductory Econometrics: A Modern Approach", Jeffery 5th Edition 2013. | |
| | **Reference Books** | |
| 1. | Dominick Salvatore and Derrick Reagle, Statistics and Econometrics, Tata McGraw Hill (Schaum's Series). | |
| 2. | Damodar, N. (2009). Basic Econometrics Fifth Edition. McGraw-Hill. | |
| 3. | Moody, C. (2009). Basic econometrics with STATA. Economics Department. College of William and Mary. | |
| 4. | Johnson Jr, A. C., Johnson, M. B., & Buse, R. C. (1987). Econometrics: Basic and applied. New York. | |
| 5. | Hill, R. C., Griffiths, W. E., & Lim, G. C. (2018). Principles of econometrics. John Wiley & Sons. | |
| | **Web Resources** | |
| 1. | https://nptel.ac.in/courses/111104072 | |
| 2. | http://home.iitk.ac.in/~shalab/onlinecoursematerial | |
| 3. | https://nou.edu.ng/coursewarecontent/ECO%20355_0.pdf | |
| 4. | https://www.economtericssociety.org | |
| 5. | https://economicsnetwork.ac.uk | |

**Mapping with Programme Outcomes:**

| | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 14 | 14 | 14 | 14 | 15 | 15 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 2.8 | 3.0 | 2.8 | 3.0 | 3.0 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 2 | 3 | 3 |
| **CO2** | 3 | 3 | 2 | 3 | 3 |
| **CO3** | 3 | 3 | 2 | 3 | 3 |
| **CO4** | 3 | 3 | 2 | 3 | 2 |
| **CO5** | 3 | 2 | 3 | 2 | 2 |
| **Weightage** | 15 | 14 | 11 | 14 | 13 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 2.8 | 2.2 | 2.8 | 2.6 |

**S-Strong-3    M-Medium-2   L-Low-1**

## THIRD YEAR - SEMESTER –VI

**Semester VI**                                                              **Code: U23EC6D4**
**Hours / Week: 5**                                                          **Credits: 3**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **FINANCIAL MARKETSAND INSTITUTIONS** | **Discipline Specific Elective-VIII** | | | | | 3 | 5 | 25 | 75 | 100 |
| | **Learning Objectives** | | | | | | | | | | |
| C1 | To provides a comprehensive functions and operations of financial markets | | | | | | | | | | |
| C2 | To understand the various financial institutions and its operations in India | | | | | | | | | | |
| C3 | To probe the role of banks in the financial operations and its regulations | | | | | | | | | | |
| C4 | To analyse the Financial Institutions in India and its influence on Indian Economy. | | | | | | | | | | |
| C5 | To impart knowledge on Exchange Markets and its aspects. | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | **No. of Hours** |
| I | **Introduction**<br>Introduction to Financial System and Economic Development - Indicators of Financial Development, Concepts Related to Financial Markets and Institutions - Concept of Risk -Types of Return and Yield | | | | | | | | | | 15 |
| II | **Financial Institutions – I**<br>Commercial Banking - Role of Banks – NPAs - Risk Management in Banking– International Banking - Financial Regulations and Regulatory Institutions in India - RBI, SEBI, IRDA, PFRDA - Corporate Governance and SEBI. | | | | | | | | | | 15 |
| III | **Financial Institutions – II**<br>Financial Institutions – Provident Fund, Pension Fund, Insurance Companies - Mutual Fund, Credit Rating Agencies, Merchant Bank, Venture Capital Funds.<br>Bond Market: Bond Features, Bond Price Volatility, Government Security Market, Corporate Bond Market, Public Sector Undertaking Bonds. | | | | | | | | | | 12 |
| IV | **Derivatives Market**<br>Classification of Stock Market and Securities – IPO, Stock Exchanges, Stock Market Indices, Derivatives Market - Types of Derivatives. | | | | | | | | | | 15 |
| V | **Exchange Market**<br>Foreign Exchange Market - Foreign Exchange Market Structure - Risk Management in Foreign Exchange Market - Exchange Rate | | | | | | | | | | 18 |

| | Determination - Foreign Capital – FDI & FII, Central Bank Intervention in Foreign Exchange Market. | |
|---|---|---|
| | **Total** | **75** |

| Course Outcomes | | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will be able to | |
| 1 | Understand the role and importance of the Indian Financial Market. | PO1 |
| 2 | Analyse the importance of Commercial Banks | PO1 |
| 3 | Understand and analyse the mechanics and regulation of financial instruments and determine how the value of stocks, bonds, and securities are calculated. | PO2,PO3 |
| 4 | Evaluate the performance of Derivative Market. | PO2,PO3 |
| 5 | Analyse the Foreign Exchange Market. | PO2,PO3 |
| **Textbooks** | | |
| 1 | Saunders, A., Cornett, M. M., &Erhemjamts, O. (2012). Financial Marketsand Institutions. McGraw-Hill/Irwin. | |
| 2 | Mishkin, F. S., & Eakins, S. G. (2006). Financial Marketsand Institutions. Pearson Education India. | |
| 3 | Frederic, S. (2000). Financial Markets and Institutions. Pearson Education India. | |
| 4 | Maureen Burton, Reynold F. Nesiba, Bruce Brown, "An Introduction to Financial Markets and Institutions",Talyor & Francis, 2015 | |
| 5 | Dr.F.C Sharma, " Financial Markets, Institutions and Services" SBPD Publications, 2021 | |
| **Reference Books** | | |
| 1. | Megginson, W. L. (2005). The Financial Economics of Privatization. Oxford University Press on Demand. | |
| 2. | Burton, M., Nesiba, R. F., & Brown, B. (2015). An introduction to FinancialMarkets and Institutions. Routledge. | |
| 3. | Jones, F. M. (2014). Foundations of Financial Markets and Institutions. Pearson Education. | |
| 4. | Bhole, L. M. (2004). Financial Institutions and Markets: Structure, Growth And Innovations, *4e*. Tata McGraw-Hill Education. | |
| 5. | Dr.Gurusamy .S (2018) Financial Markets and Institutions,Mc Graw Hill Education India. | |
| **Web Resources** | | |
| 1. | https://www.rbi.org.in | |
| 2. | https://www.nseindia.com | |
| 3. | https://www.sebi.gov.in | |
| 4. | https://dpiit.gov.in/foreign-direct-investment/foreign-direct-investment-policy | |
| 5. | https://fifp.gov.in/ | |

**Mapping with Programme Outcomes:**

| | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 3** | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Weightage | 15 | 15 | 14 | 14 | 15 | 15 | 15 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 3.0 | 3.0 | 2.8 | 3.0 | 3.0 | 2.8 | 3.00 |

**S-Strong-3    M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 2 | 2 |
| **CO2** | 3 | 3 | 3 | 2 | 3 |
| **CO3** | 3 | 3 | 3 | 3 | 3 |
| **CO4** | 3 | 3 | 3 | 3 | 3 |
| **CO5** | 3 | 3 | 3 | 3 | 3 |
| **Weightage** | 15 | 15 | 15 | 13 | 14 |
| **Weighted percentage of Course Contribution to PSOs** | 3 | 3 | 3 | 2.6 | 2.8 |

**S-Strong-3    M-Medium-2   L-Low-1**

# THIRD YEAR - SEMESTER –VI

**Semester VI**
**Hours / Week: 2**

**Code: U23EC6G1**
**Credits: 2**

| Subject Code | Subject Name | Category | L | T | P | S | Credits | Inst. Hours | Marks | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CIA | External | Total |
| | **GENERAL STUDIES FOR COMPETITIVE EXAMINATIONS** | **Professional Competency Skill** | | | | | 2 | 2 | 25 | 75 | 100 |

| | **Learning Objectives** |
|---|---|
| C1 | To create the opportunity for learning across different disciplines |
| C2 | To build experiences for students as they grow into lifelong learners. |
| C3 | To know the world climatic classification and its features |
| C4 | To build experiences for students as they grow into lifelong learners. |
| C5 | To know the history of modern India |

| UNIT | Contents | No. of Hours |
|---|---|---|
| I | **Polity**<br>Basic concepts- Three organs of Indian Government (Executive, Legislature, Judiciary), Introduction to Indian Constitution- Salient features of Constitution, Preamble, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Types of Majority, Amendments to the constitution, basic structure doctrine, Division of subjects between the Union and the States Local Governance, Elections in India and Election Commission, CAG | 15 |
| II | **Geography**<br>Major oceans of the world - Important Canals – Gulfs – Straits and Passes - Indian Rivers and its Tributaries - Climatology - Atmosphere, wind systems, cloud systems, world climatic classification -Indian climate - Indian Monsoon - India's Physical Features, Indian Soil -Types and Distribution - Important Trade Routes and Projects, Indian Natural Vegetation - Indian agriculture- Major Crops and its distribution, Indian Industries and its Distribution | 15 |
| III | **Economy**<br>National Income – Inflation - Money and Banking - Agriculture in India - Union Budget -     Planning in India – Poverty – Unemployment - Inclusive Development and Development issues - Industrial Policies - Financial Markets | 15 |
| IV | **History**<br>Modern India -Formation of Indian National Congress - Morley Minto Reforms, Revolutionary activities - World War I and | 15 |

| | | |
|---|---|---|
| | India's Response - Home Rule league - Montague Chelmsford reforms - Rowlatt Act - Non-Cooperation Movement - Simon Commission and Nehru Report - Civil Disobedience Movement and Round Table Conferences - Quit India Movement and Demand for Pakistan - Cabinet Mission - formation of Constituent assembly and Partition of India | |
| V | **Environment and Ecology** <br> Basic concepts- Ecology, Biodiversity - Food Chain And Food Web - Bio-Geo Chemical Cycles -International Biodiversity Organisations - International Conventions - Conferences and Protocols - Indian Environmental Laws And Environment Related Organisations | 15 |
| | Total | **75** |

| | Course Outcomes | Programme Outcomes |
|---|---|---|
| CO | On completion of this course, students will | |
| 1 | Develop broad knowledge of the different components in Polity | PO1,PO2 |
| 2 | Understand the Geographical features across Countries and in India | PO1,PO2 |
| 3 | Acquire Knowledge of the aspects of the Indian Economy | PO2,PO3 |
| 4 | Understand the significance of India's Freedom Struggle | PO2,PO3 |
| 5 | Gain Knowledge of Ecology and Environment | PO2,PO5 |
| **Textbooks** | | |
| 1 | Class XI and XII NCERT Geography | |
| 2 | History- Old NCERT's Class XI and XII | |
| 3 | Tamil Nadu State Board XI and XII History Books | |
| 4 | History- VI to X NCERT | |
| 5 | Economics  - IX to XII NCERT | |
| **Reference Books** | | |
| 1. | Laxmikanth.M (2019), Indian Polity, McGraw-Hill | |
| 2. | Ramesh Singh (2022), Indian Economy, McGraw Hill | |
| 3. | Leong,G.C Physical and Human Geography, Oxford University Press | |
| 4. | Majid Hussain, India Map Entries in Geography, GK Publications Pvt. Ltd. | |
| 5. | Majid Hussain - Environment and Ecology, GK Publications Pvt. Ltd | |
| 6. | Rajiv Ahir, A Brief History of Modern India- Spectrum Books Pvt Ltd | |
| **Web Resources** | | |
| 1. | https://darpg.gov.in/en | |
| 2. | https://www.india.gov.in/topics/governance-administration | |
| 3. | https://dea.gov.in/ | |
| 4. | https://mausam.imd.gov.in/ | |
| 5. | http://moef.gov.in/ | |

**Mapping with Programme Outcomes:**

|  | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 |
|---|---|---|---|---|---|---|---|---|
| **CO 1** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 2** | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO 3** | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Weightage | 15 | 14 | 14 | 14 | 15 | 14 | 15 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 2.8 | 3.0 | 2.8 | 3.0 | 2.8 | 3.0 | 3.00 |

**Strong-3      M-Medium-2   L-Low-1**

**Level of Correlation between PSO's and CO's**

| CO /PO | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 |
|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 3 | 3 | 3 |
| **CO2** | 3 | 3 | 2 | 3 | 3 |
| **CO3** | 3 | 3 | 2 | 3 | 3 |
| **CO4** | 2 | 2 | 2 | 3 | 3 |
| **CO5** | 3 | 2 | 2 | 3 | 3 |
| **Weightage** | 14 | 13 | 11 | 15 | 15 |
| **Weighted percentage of Course Contribution to PSOs** | 2.8 | 2.6 | 2.2 | 3 | 3 |

**Strong-3      M-Medium-2   L-Low-1**