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| b.a.,  business economics |
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| **SYLLABUS** |
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| **from the academic year**  **2023 - 2024** |
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| **TAMILNADU STATE COUNCIL FOR HIGHER EDUCATION, CHENNAI – 600 005** |

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| **TANSCHE REGULATIONS ON LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK FOR UNDERGRADUATE EDUCATION** | |
| **Programme:** | **B.A Business Economics** |
| **Programme Code:** |  |
| **Duration:** | 3 years(UG) |
| **Programme Outcomes:** | **PO1: Knowledge of Economics :** Ability to express thoughts and ideas effectively in writing and orally; demonstrate the ability to think analytically the theories in Economics and present complex information in a clear and concise manner  **PO2: Critical thinking:** Capability to apply analytic thought to a body of knowledge; evaluate evidence, arguments, claims, and beliefs on the basis of empirical evidence.  **PO3: Research-related skills**: Ability to recognise cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses; ability to plan, execute and report the results of an experiment or investigation  **PO4: Digital literacy:** Capability to use ICT in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data.  **PO 5: Self-directed learning**: Ability to work independently, identify appropriate resources required for the development and completion of tasks  **PO6: Analytical reasoning:** Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and addressing opposing viewpoints.  **PO 7: Leadership Readiness:** Capability for mapping out the tasks for a team and setting direction, formulating and achieving the vision, motivating and inspiring team members by applying management skills inguiding people  **PO 8: Lifelong learning:** Ability to acquire knowledge and skills consistently with the objective of adapting to changing work environments |
| **Programme Specific Outcomes:** | **PSO1 –** To Gain indepth theoretical knowledge of theoretical and Quantitative Economics and its applications in real world scenario.  **PSO 2 –** To demonstrate respectful engagement and inclusivity of others’ ideas, behaviours, and beliefs and apply to decisions and actions.  **PSO 3-** To create effective entrepreneurs by enhancing their critical thinking, problem solving, decision making and leadership skill that will facilitate start-ups and Businesses  **PSO 4 –** To engage in the moulding of professionals to sustain in the dynamics of the business world.  **PSO 5 –** To contribute to the development of the society by collaborating with stakeholders for mutual benefit through Corporate Social Responsibility initiatives. |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **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 |

**Highlights of the Revamped Curriculum**:

* Student-centric, meeting the demands of industry & society, incorporating industrial components, hands-on training, skill enhancement modules, industrial project, project with viva-voce, exposure to entrepreneurial skills, training for competitive examinations, sustaining the quality of the core components and incorporating application oriented content wherever required.
* The Core subjects include latest developments in the education and scientific front, advanced programming packages allied with the discipline topics, practical training, devising mathematical models and algorithms for providing solutions to industry / real life situations. The curriculum also facilitates peer learning with advanced mathematical topics in the final semester, catering to the needs of stakeholders with research aptitude.
* The General Studies and Mathematics based problem solving skills are included as mandatory components in the ‘Training for Competitive Examinations’ course at the final semester, a first of its kind.
* The curriculum is designed so as to strengthen the Industry-Academia interface and provide more job opportunities for the students.
* The Industrial Statistics course is newly introduced in the fourth semester, to expose the students to real life problems and train the students on designing a mathematical model to provide solutions to the industrial problems.
* The Internship during the second year vacation will help the students gain valuable work experience, that connects classroom knowledge to real world experience and to narrow down and focus on the career path.
* Project with viva-voce component in the fifth semester enables the student, application of conceptual knowledge to practical situations. The state of art technologies in conducting a Explain in a scientific and systematic way and arriving at a precise solution is ensured. Such innovative provisions of the industrial training, project and internships will give students an edge over the counterparts in the job market.
* State-of Art techniques from the streams of multi-disciplinary, cross disciplinary and inter disciplinary nature are incorporated as Elective courses, covering conventional topics to the latest - Artificial Intelligence.

**Value additions in the Revamped Curriculum:**

|  |  |  |
| --- | --- | --- |
| **Semester** | **Newly introduced Components** | **Outcome / Benefits** |
| **I** | **Foundation Course**  To ease the transition of learning from higher secondary to higher education, providing an overview of the pedagogy of learning Literature and analysing the world through the literary lens  gives rise to a new perspective. | * Instill confidence among students * Create interest for the subject |
| **I, II, III, IV** | **Skill Enhancement papers** (Discipline centric / Generic / Entrepreneurial) | * Industry ready graduates * Skilled human resource * Students are equipped with essential skills to   make them employable |
| * Training on language and communication skills enable the students gain   knowledge and  exposure in the competitive world. |
| * Discipline centric skill will improve the Technical knowhow of solving real life   problems. |
| **III, IV, V & VI** | Elective papers | * Strengthening the domain knowledge * Introducing the stakeholders to the State-of Art techniques from the streams of multi-disciplinary, cross disciplinary and inter disciplinary nature * Emerging topics in higher education/ industry/ communication network / health sector etc. are introduced with   hands-on-training. |

|  |  |  |  |
| --- | --- | --- | --- |
| **IV** | Elective Papers | | * Exposure to industry moulds students into solution providers * Generates Industry ready graduates * Employment opportunities enhanced |
| **V Semester** | Elective papers | | * Self-learning is enhanced * Application of the concept to real situation is conceived resulting   in tangible outcome |
| **VI Semester** | Elective papers | | * Enriches the study beyond the course. * Developing a research framework and   presenting their  independent and  intellectual ideas effectively. |
| **Extra Credits:**  **For Advanced Learners / Honors degree** | | | * To cater to the needs of peer learners / research   aspirants |
| **Skills acquired from the Courses** | | Knowledge, Problem Solving, Analytical  ability, Professional Competency, Professional Communication and Transferrable Skill | |

**Credit Distribution for UG Programmes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sem I** | **Credit** | **H** | **Sem II** | **Credit** | **H** | **Sem III** | **Credit** | **H** | **Sem IV** | **Credit** | **H** | **Sem V** | **Credit** | **H** | **Sem VI** | **Credit** | **H** |
| Part 1. Language – Tamil | 3 | 6 | Part..1. Language – Tamil | 3 | 6 | Part..1. Language – Tamil | 3 | 6 | Part..1. Language – Tamil | 3 | 6 | 5.1 Core Course –\CC IX | 4 | 5 | 6.1 Core Course –  CC XIII | 4 | 6 |
| Part.2 English | 3 | 6 | Part..2 English | 3 | 6 | Part..2 English | 3 | 6 | Part..2 English | 3 | 6 | 5.2 Core Course – CC X | 4 | 5 | 6.2 Core Course –  CC XIV | 4 | 6 |
| 1.3 Core Course – CC I | 5 | 5 | 2..3 Core Course – CC III | 5 | 5 | 3.3 Core Course – CC V | 5 | 5 | 4.3 Core Course – CC VII  Core Industry Module | 5 | 5 | 5. 3.Core Course CC -XI | 4 | 5 | 6.3 Core Course –  CC XV | 4 | 6 |
| 1.4 Core Course – CC II | 5 | 5 | 2.4 Core Course – CC IV | 5 | 5 | 3.4 Core Course – CC VI | 5 | 5 | 4.4 Core Course –  CC VIII | 5 | 5 | 5. 4.Core Course –/ Project with viva- voce  CC -XII | 4 | 5 | 6.4 Elective -VII Generic/ Discipline Specific | 3 | 5 |
| 1.5 Elective I Generic/ Discipline Specific | 3 | 4 | 2.5 Elective II Generic/ Discipline Specific | 3 | 4 | 3.5 Elective III Generic/ Discipline Specific | 3 | 4 | 4.5 Elective IV Generic/ Discipline Specific | 3 | 3 | 5.5 Elective V Generic/ Discipline Specific | 3 | 4 | 6.5 Elective VIII  Generic/ Discipline Specific | 3 | 5 |
| 1.6 Skill Enhancement Course SEC-1 | 2 | 2 | 2.6 Skill Enhancement Course SEC-2 | 2 | 2 | 3.6 Skill Enhancement Course SEC-4,  (Entrepreneurial Skill) | 1 | 1 | 4.6 Skill Enhancement Course SEC-6 | 2 | 2 | 5.6 Elective VI Generic/ Discipline Specific | 3 | 4 | 6.6 Extension Activity | 1 | - |
| 1.7 Skill Enhancement -(Foundation Course) | 2 | 2 | 2.7 Skill Enhancement Course –SEC-3 | 2 | 2 | 3.7 Skill Enhancement Course SEC-5 | 2 | 2 | 4.7 Skill Enhancement Course SEC-7 | 2 | 2 | 5.7 Value Education | 2 | 2 | 6.7 Professional Competency Skill | 2 | 2 |
|  |  |  |  |  |  | 3.8 E.V.S. | - | 1 | 4.8 E.V.S | 2 | 1 | 5.8 Summer Internship /Industrial Training | 2 |  |  |  |  |
|  | **23** | **30** |  | **23** | **30** |  | **22** | **30** |  | **25** | **30** |  | **26** | **30** |  | **21** | **30** |
| **Total – 140 Credits** | | | | | | | | | | | | | | | | | |

**Choice Based Credit System (CBCS), Learning Outcomes Based Curriculum Framework (LOCF) Guideline Based Credit and Hours Distribution System**

**for all UG courses including Lab Hours**

**First Year – Semester-I**

|  |  |  |  |
| --- | --- | --- | --- |
| **Part** | **List of Courses** | **Credit** | **No. of Hours** |
| Part-1 | Language – Tamil | 3 | 6 |
| Part-2 | English | 3 | 6 |
| Part-3 | Core Courses & Elective Courses [in Total] | 13 | 14 |
| Part-4 | Skill Enhancement Course SEC-1 | 2 | 2 |
| Foundation Course | 2 | 2 |
|  |  | **23** | **30** |

**Semester-II**

|  |  |  |  |
| --- | --- | --- | --- |
| **Part** | **List of Courses** | **Credit** | **No. of Hours** |
| Part-1 | Language – Tamil | 3 | 6 |
| Part-2 | English | 3 | 6 |
| Part-3 | Core Courses & Elective Courses including laboratory [in Total] | 13 | 14 |
| Part-4 | Skill Enhancement Course -SEC-2 | 2 | 2 |
| Skill Enhancement Course -SEC-3 (Discipline / Subject Specific) | 2 | 2 |
|  |  | **23** | **30** |

**Second Year – Semester-III**

|  |  |  |  |
| --- | --- | --- | --- |
| **Part** | **List of Courses** | **Credit** | **No. of Hours** |
| Part-1 | Language - Tamil | 3 | 6 |
| Part-2 | English | 3 | 6 |
| Part-3 | Core Courses & Elective Courses including laboratory [in Total] | 13 | 14 |
| Part-4 | Skill Enhancement Course -SEC-4 (Entrepreneurial Based) | 1 | 1 |
| Skill Enhancement Course -SEC-5 (Discipline / Subject Specific) | 2 | 2 |
| E.V.S | - | 1 |
|  |  | **22** | **30** |

**Semester-IV**

|  |  |  |  |
| --- | --- | --- | --- |
| **Part** | **List of Courses** | **Credit** | **No. of Hours** |
| Part-1 | Language - Tamil | 3 | 6 |
| Part-2 | English | 3 | 6 |
| Part-3 | Core Courses & Elective Courses including laboratory [in Total] | 13 | 13 |
| Part-4 | Skill Enhancement Course -SEC-6 (Discipline / Subject Specific) | 2 | 2 |
| Skill Enhancement Course -SEC-7 (Discipline / Subject Specific) | 2 | 2 |
| E.V.S | 2 | 1 |
|  |  | **25** | **30** |

**Third Year**

**Semester-V**

|  |  |  |  |
| --- | --- | --- | --- |
| **Part** | **List of Courses** | **Credit** | **No. of Hours** |
| **Part-3** | Core Courses including Project / Elective Based | 22 | 26 |
| **Part-4** | Value Education | 2 | 2 |
| Internship / Industrial Visit / Field Visit | 2 | 2 |
|  |  | **26** | **30** |

**Semester-VI**

|  |  |  |  |
| --- | --- | --- | --- |
| **Part** | **List of Courses** | **Credit** | **No. of Hours** |
| **Part-3** | Core Courses including Project / Elective Based & LAB | 18 | 28 |
| **Part-4** | Extension Activity | 1 | - |
| Professional Competency Skill | 2 | 2 |
|  |  | **21** | **30** |

**Consolidated Semester wise and Component wise Credit distribution**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parts** | **Sem I** | **Sem II** | **Sem III** | **Sem IV** | **Sem V** | **Sem VI** | **Total Credits** |
| **Part I** | 3 | 3 | 3 | 3 | - | - | 12 |
| **Part II** | 3 | 3 | 3 | 3 | - | - | 12 |
| **Part III** | 13 | 13 | 13 | 13 | 22 | 18 | 92 |
| **Part IV** | 4 | 4 | 3 | 6 | 4 | 1 | 22 |
| **Part V** | - | - | - | - | - | 2 | 2 |
| **Total** | 23 | 23 | 22 | 25 | 26 | 21 | **140** |

**\*Part I. II, and Part III components will be separately taken into account for CGPA calculation and classification for the under graduate programme and the other components. IV, V have to be completed during the duration of the programme as per the norms, to be eligible for obtaining the UG degree.**

|  |  |  |
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| **Methods of Evaluation** | | |
| **Internal Evaluation** | Continuous Internal Assessment Test | 25 Marks |
| Assignments |
| Seminars |
| Attendance and Class Participation |
| **External Evaluation** | End Semester Examination | 75 Marks |
|  | Total | 100 Marks |
| **Methods of Assessment** | | |
| **Recall (K1)** | Simple definitions, MCQ, Recall steps, Concept definitions | |
| **Understand/ Comprehend (K2)** | MCQ, True/False, Short essays, Concept explanations, Short summary or  overview | |
| **Application (K3)** | Suggest idea/concept with examples, Suggest formulae, Solve problems,  Observe, Explain | |
| **Analyze (K4)** | Problem-solving questions, Finish a procedure in many steps, Differentiate | |
|  | between various ideas, Map knowledge | |
| **Evaluate (K5)** | Longer essay/ Evaluation essay, Critique or justify with pros and cons | |
| **Create (K6)** | Check knowledge in specific or offbeat situations, Discussion, Debating or  Presentations | |

**B.A., BUSINESS ECONOMICS CREDIT DISTRIBUTION**

|  |  |  |  |
| --- | --- | --- | --- |
| **First Year – Semester – I** | | | |
| **Part** | **List of courses** | **Credits** | **No. of Hrs** |
| **Part I** | Language – Tamil | 3 | 6 |
| **Part II** | English | 3 | 6 |
| **Part-III** | **Core Course- I** Microeconomics-I | 5 | 5 |
| **Core Course – II** Statistics for Economists | 5 | 5 |
| **Generic Elective I** Human Resource Management | 3 | 4 |
| **Part-IV** | **Skill Enhancement Course SEC-I** (NME) – Basic Financial Accounting | 2 | 2 |
| **Skill Enhancement Foundation Course** | 2 | 2 |
| **TOTAL** |  | **23** | **30** |
| **First Year – Semester – II** | | | |
|  | | | |
| **Part** | **List of courses** | **Credits** | **No. of Hrs** |
| **Part I** | Language – Tamil | 3 | 6 |
| **Part II** | English | 3 | 6 |
| **Part III** | **Core Course III** -Microeconomics-II | 5 | 5 |
| **Core Course IV** –Statistics for Business Analysis | 5 | 5 |
| **Generic Elective II** Business Environment | 3 | 4 |
| **Part IV** | **Skill Enhancement Course SEC 2** (NME) – Business Ethics and Values | 2 | 2 |
| **Skill Enhancement Course SEC-3** (NME)- Gender Economics | 2 | 2 |
| **TOTAL** |  | **23** | **30** |

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| --- | --- | --- | --- |
| **Second Year – Semester – III** | | | |
|  | | | |
| **Part** | **List of Courses** | **Credits** | **No. of Hrs** |
| **Part I** | Language - Tamil | 3 | 6 |
| **Part II** | English | 3 | 6 |
| **Part III** | **Core Course –V** Macroeconomics I | 5 | 5 |
| **Core Course –VI** Mathematics for Economists | 5 | 5 |
| **Generic Elective III** Business Communication | 3 | 4 |
| **Part IV** | **Skill Enhancement Course SEC 4**Consumer Rights | 1 | 1 |
| **Skill Enhancement Course SEC 5** Elements of E – Commerce | 2 | 2 |
|  | EVS | - | 1 |
| **TOTAL** |  | **22** | **30** |
| **Second Year – Semester – IV** | | | |
|  | | | |
| **Part** | **List of Courses** | **Credits** | **No. of Hrs** |
| **Part I** | Language - Tamil | 3 | 6 |
| **Part II** | English | 3 | 6 |
| **Part III** | **Core Course –VII** Macroeconomics II | 5 | 5 |
| **Core Course –VIII** Monetary Economics | 5 | 5 |
| **Generic Elective IV** Organizational Behaviour | 3 | 3 |
| **Part IV** | **Skill Enhancement Course SEC 6** Computer Applications in Economics | 2 | 2 |
| **Skill Enhancement Course SEC 7** Economics of Money and Banking | 2 | 2 |
|  | EVS | 2 | 1 |
| **TOTAL** |  | **26** | **30** |

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| --- | --- | --- | --- |
| **Third Year – Semester – V** | | | |
| **Part** | **List of Courses** | **Credits** | **No.of Hours** |
| **Part III** | **Core Course IX** Indian Economy | 4 | 6 |
| **Core Course X** Fiscal Economics | 4 | 6 |
| **Core Course XI** International Economics | 4 | 6 |
| **Core Course / Project with Viva Voce CC- XII**  1.Environmental Economics **(OR)**  2. Project | 3 | 5 |
| **Discipline Specific Elective- V** Fundamentals of Operations Research | 3 | 5 |
| **Discipline Specific Elective- VI** Principles of Management | 3 | 4 |
| **Part IV** | Value Education | 2 | 2 |
| Summer Internship/Industrial Training | 2 | - |
| **TOTAL** |  | **26** | **30** |
| **Third Year – Semester – VI** | | | |
|  | | | |
| **Part** | **List of Courses** | **Credits** | **No. of Hrs** |
| **Part III** | **Core Course XIII** Tamil Nadu Economy | 4 | 6 |
| **Core Course XIV** Industrial Economics | 4 | 6 |
| **Core Course XV** Entrepreneurial Development | 4 | 6 |
| **Discipline Specific Elective –VII** Managerial Economics | 3 | 5 |
| **Discipline Specific Elective –VIII** Marketing | 3 | 5 |
| **Part IV** | Extension Activity | 1 | **-** |
| **Professional Competency Skill–** Employability Skills | 2 | 2 |
| **TOTAL** |  | **21** | **30** |

**TOTAL CREDITS:23 +23 +22 +25+26+21** =**140 Credits**

**Remarks: English Soft Skill Two Hours Will be handled by English Teachers**

**(4+2 = 6 hours for English).**

**FIRST YEAR – SEMESTER- I**

**CORE I –Microeconomics-I**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | | **Subject Name** | | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | **External** | | **Total** |
|  | | **Microeconomics I** | | Core |  |  |  |  | | 5 | 5 | 25 | 75 | | 100 |
| **Course Objectives** | | | | | | | | | | | | | | | | |
| C1 | | | Knowledge of the basic concepts of Economics | | | | | | | | | | | | | |
| C2 | | | Acquire Knowledge on types of utility | | | | | | | | | | | | | |
| C3 | | | Understand the concepts of demand, law of demand and elasticity | | | | | | | | | | | | | |
| C4 | | | Insights pertaining to Supply ,Production, Production Function | | | | | | | | | | | | | |
| C5 | | | To know about the theory of costs and revenues | | | | | | | | | | | | | |
| **UNIT** | | | **Details** | | | | | | | | | | | **No. of Hours** | | |
| I | | | **Concepts and Definition**  Economic Problems–Scarcity and Choice- Definition of Economics–Adam Smith, Alfred Marshall, Lionel Robbins and Samuelson | | | | | | | | | | | 15 | | |
| II | | | **Utility Analysis**  Basic concepts of Microeconomics- Utility Analysis– Meaning -Total and Marginal Utility–Indifference Curve analysis–Revealed Preference hypothesis (concept only) | | | | | | | | | | | 15 | | |
| III | | | **Demand Analysis**  Law of Demand – Demand Curve – Exceptions to Demand - Elasticity of Demand – Determinants -Types -Measurement | | | | | | | | | | | 15 | | |
| IV | | | **Production Analysis**  Supply and Production Decisions–Supply -Law of Supply –Production Function- Short and Long Run Production Function–Leontief- Cobb-Douglas Production Function | | | | | | | | | | | 16 | | |
| V | | | **Cost and Revenue Concepts**  Theory of Cost – Cost functions–Types of Costs-Short and Long Run Costs- Revenue concepts–Total Revenue, Average revenue and Marginal Revenue–Relationship between AR, MR and Elasticity of Demand-Nature of AR and MR under Perfect and Imperfect Markets | | | | | | | | | | | 14 | | |
|  | | | **Total** | | | | | | | | | | | **75** | | |
| **Course Outcomes** | | | | | | | | | **Programme Outcomes** | | | | | | | |
| CO | On completion of this course, students will | | | | | | | |  | | | | | | | |
| 1 | Get knowledge on the basic concepts and Definitions of Economics | | | | | | | | PO1,PO2, PO5 | | | | | | | |
| 2 | Understand the basic concepts of Utility | | | | | | | | PO2, PO3 | | | | | | | |
| 3 | Acquire knowledge on law of Demand and Elasticity of Demand | | | | | | | | PO1, PO2 | | | | | | | |
| 4 | Know theory of supply and Production | | | | | | | | PO1, PO2 | | | | | | | |
| 5 | Understand the importance of cost and revenue concepts | | | | | | | | PO1,PO2,P03 | | | | | | | |
| **Text Book** | | | | | | | | | | | | | | | | |
| 1 | Jhingan, M.L., (2014), Advanced EconomicTheory, Vrinda Publications, 14th Edition | | | | | | | | | | | | | | | |
| 2 | Sundharam K.P.M and E.N. Sundharam, (2017), Economic Analysis, S. Chand and Sons | | | | | | | | | | | | | | | |
| 3 | Jothi Sivagnanam K. & R. Srinivasan, (2010), Business Economics, McGraw Hill Education. | | | | | | | | | | | | | | | |
| 4 | Mankiw, N. G. (2014). Principles of Economics. Cengage Learning. | | | | | | | | | | | | | | | |
| 5. | Fetter, F. A. (2019). The Principles of Economics, with applications to practical problems. Good Press. | | | | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | | | | |
| 1. | Gregory Mankiw (2014) Economics: Principles and Applications, New Delhi, Cengage Learning India | | | | | | | | | | | | | | | |
| 2. | Koutsiyannis A. (2003) Modern Micro Economics – Palgrave Macmillan (UK) 2nd Edition. | | | | | | | | | | | | | | | |
| 3. | Robert Pindyck and Daniel Rubinfeld (2017) 8th Edn.Micro Economics, Pearson Education. | | | | | | | | | | | | | | | |
| 4. | Varian, H. (2000), Intermediate Microeconomics: A Modern Approach, W.W.Norton, NewYork | | | | | | | | | | | | | | | |
| 5. | Dwivedi, D. N. (2009). Principles of Economics. Vikas Publishing House. | | | | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | | | | |
| 1. | <https://simplicable.com/economics/microeconomics> | | | | | | | | | | | | | | | |
| 2. | https://www.geeksforgeeks.org/the-production-possibilities-curve-ppc-in-economics/ | | | | | | | | | | | | | | | |
| 3. | <https://www.tutor2u.net/economics> | | | | | | | | | | | | | | | |
| 4. | https://www.studysmarter.co.uk/explanations/microeconomics/production-cost/costs-of-production/ | | | | | | | | | | | | | | | |
| 5. | https://www.toppr.com/guides/business-economics-cs/analysis-of-market/basic-concepts-of-revenue/ | | | | | | | | | | | | | | | |

**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**

**CORE II – Statistics for Economists**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | **External** | **Total** | |
|  | | STATISTICS FOR ECONOMISTS | **Core** |  |  |  |  | | 5 | 5 | 25 | 75 | 100 | |
| **Learning Objectives** | | | | | | | | | | | | | | |
| C1 | To know the nature and scope of Statistics and types of Data | | | | | | | | | | | | | |
| C2 | Understand the concepts of Collection, Classification, Analyzing and Presentation of data. | | | | | | | | | | | | | |
| C3 | To apply the measures of central tendency | | | | | | | | | | | | | |
| C4 | To apply the measures of dispersion | | | | | | | | | | | | | |
| C5 | Estimate the values of skewness and kurtosis | | | | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | | | | **No. of Hours** |
| I | Introduction and Collection of Data  Introduction – Nature and Scope of Statistics – Uses and Limitations of Statistics – Data Collection – Primary and Secondary Data –Tools for Collecting Primary Data –Questionnaire – Sources of Secondary Data. | | | | | | | | | | | | | 15 |
| II | Classification and Presentation of Data  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  Measures of Central Tendency- Requisites of a Good Average – Arithmetic Mean, Median, and Mode –Merits and Demerits | | | | | | | | | | | | | 15 |
| IV | Measures of Dispersion  Measures of Dispersion – Range – Quartile Deviation – Mean Deviation – Standard Deviation – Variance - Coefficient of Variation –-Skewness and Kurtosis | | | | | | | | | | | | | 15 |
| V | Skewness and Kurtosis–Pearson measure of skewness –Bowley’s measure of skewness–Kurtosis-Types | | | | | | | | | | | | | 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 | | Understand the concepts of Skewness and Kurtosis | | | | | | 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 Publishers | | | | | | | | | | | | |
| **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**

**ELECTIVE I - Human Resource Management**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Human Resource Management** | **Elective** |  |  |  |  | | 3 | 4 | 25 | | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | | | |
| C1 | Understand the Qualities of a good HR personnel | | | | | | | | | | | | | |
| C2 | Explain the meaning of Job Analysis | | | | | | | | | | | | | |
| C3 | Analyze the sources and methods of Recruitment | | | | | | | | | | | | | |
| C4 | Understand the concepts of Training and Development | | | | | | | | | | | | | |
| C5 | Review the Performance of Employees | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | | | | **No. of Hours** | | | |
| I | **Introduction to HRM**  Human Resource Management- Definition -Human Resource Planning - Qualities of good HR Personnel – Duties and Responsibilities | | | | | | | | | | 14 | | | |
| II | **Job Analysis and Description**  Job Analysis- Design and Evaluation: Concepts–Methods of Job Analysis–Job Description–Specialization-Job Design– Job Enlargement– Job Enrichment– Job Evaluation | | | | | | | | | | 16 | | | |
| III | **Recruitment and Selection Process**  Concepts- Difference between Recruitment and Selection -Sources of Recruitment-Selection: Concepts -Selection process– Selection Tools– Application blank | | | | | | | | | | 15 | | | |
| IV | **Training and Development**  Training and Development: Concepts–Training Methods- Methods of Training and Development | | | | | | | | | | 15 | | | |
| V | **Performance Appraisal**  Definition-Objectives- Methods of Performance Appraisal-Process of Performance Appraisal- MBO- 360 Degree Feedback | | | | | | | | | | 15 | | | |
|  | **Total** | | | | | | | | | | **75** | | | |
| **Course Outcomes** | | | | | | | **Programme Outcomes** | | | | | | | |
| CO | On completion of this course, students will | | | | | |  | | | | | | | |
| 1. | Gain knowledge on objectives and functions of Human Resource Management | | | | | | PO1,PO3 | | | | | | | |
| 2. | Understand the concepts related to Job analysis and description | | | | | | PO1,PO2,PO5 | | | | | | | |
| 3. | Examine the sources and methods of recruitment | | | | | | PO3,PO3,PO6 | | | | | | | |
| 4. | Get insight on the methods of Training and Development | | | | | | PO1,PO2, PO3 | | | | | | | |
| 5. | Know the importance of Performance Appraisal | | | | | | PO1,PO3 | | | | | | | |
| **Text Book** | | | | | | | | | | | | | | |
|  | Dwivedi, R.S., Text Book of Human Resource Management, Vikas Publishing House Pvt. Limited, 2013. | | | | | | | | | | | | | |
|  | Memoria, C. B and V.S. P. Rao, Personnel Management, Himalaya Publishing House, 2012, 13th Edition | | | | | | | | | | | | | |
|  | Ramaswamy, E. A., A Question of Balance of Labour– Managementin practice, Oxford University Press | | | | | | | | | | | | | |
|  | Venkatarathnam, C. S.&Srivastava,B. K., Personnel Management and Human Resources, Tata McGraw Hill Publishing, 1994 | | | | | | | | | | | | | |
|  | SubbaRao, P., Essentials of Human Resource Management & Industrial Relations, Himalaya Publishing House, 2014, 5th Edition. | | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | | |
|  | Aswathappa.K., Human Resources Management – Text and Cases, McGraw Hill Education , 6th Edition, 2017. | | | | | | | | | | | | | |
|  | Tripathi P.C.,Human Resources Development”, Sultan Chand and sons since 1950, New Delhi, 2013. | | | | | | | | | | | | | |
|  | Noe, Hollenbeck, Gerbant, Wright,” Fundamentals of Human Resources Management”, Mc Graw Hill, 7th Edition | | | | | | | | | | | | | |
|  | “The Essential HR Handbook”, by Sharon Armstrong and Barbara Mitchell, Red Wheel Weiser, 2022 | | | | | | | | | | | | | |
|  | Dessler, G., &Varkkey, B. (2011). Human Resource Management. Dorling Kindersley (India) Pvt. Ltd: New Delhi. | | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | | |
| 1. | <https://www.uou.ac.in/sites/default/files/slm/HM-204.pdf> | | | | | | | | | | | | | |
| 2. | <https://www.betterteam.com/job-description> | | | | | | | | | | | | | |
| 3. | https://www.aihr.com/blog/human-resource-basics/ | | | | | | | | | | | | | |
| 4. | https://www.workhuman.com/blog/training-and-development-in-hrm/ | | | | | | | | | | | | | |
| 5. | <https://www.iedunote.com/job-evaluation> | | | | | | | | | | | | | |

**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**

**SEC I - Basic Financial Accounting**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | **Basic Financial Accounting** | NME |  |  |  |  | | 2 | 2 | 25 | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | |
| C1 | The basic concepts in accounting | | | | | | | | | | | |
| C2 | Complete knowledge about single ownership business | | | | | | | | | | | |
| C3 | Prepare various accounting statements | | | | | | | | | | | |
| C4 | Prepare Final accounts | | | | | | | | | | | |
| C5 | Familiarize the concepts in tally | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | | | | **No. of Hours** | |
| I | **Introduction to Accounting**  Accounting– Principles– Concepts and conventions -Double entry system of Accounting -Book Keeping | | | | | | | | | | 15 | |
| II | **Basic books of Accounts**  Sole-Proprietorship– Closing of Books of Accounts and Preparation of Trial Balance- Classification and Rectification of Errors | | | | | | | | | | 15 | |
| III | **Bank Reconciliation Statement**  Need – Meaning – Preparation of Bank Reconciliation Statement | | | | | | | | | | 15 | |
| IV | **Final Accounts**  Preparation of Final Accounts: Trading, Profit and Loss Account–Balance Sheet | | | | | | | | | | 15 | |
| V | **Introduction to Tally**  Meaning -Features – Advantages -Functional Keys and Calculation | | | | | | | | | | 15 | |
|  | **Total** | | | | | | | | | | **75** | |
| **Course Outcomes** | | | | | | | **Programme Outcomes** | | | | | |
| CO | On completion of this course, students will | | | | | |  | | | | | |
| 1. | Understand the Basic Concepts of Accounting and prepare Book keeping. | | | | | | PO4 | | | | | |
| 2. | Make Journal and Ledger and Categorize the various subsidiary books of accounts and identify & rectify errors | | | | | | PO4 | | | | | |
| 3. | Prepare Bank Reconciliation Statement | | | | | | PO3,PO4 | | | | | |
| 4. | Prepare Company final accounts and Balance sheet | | | | | | PO1,PO3 | | | | | |
| 5. | Apply Tally Software Package in Accounting | | | | | | PO2,PO3, PO4 | | | | | |
| **Text Book** | | | | | | | | | | | | |
|  | Reddy. T.S and Hari Prasad Reddy. Y(2013) Financial and Management Accounting Margham Publications Chennai | | | | | | | | | | | |
|  | Reddy .T.S Murthy(2012) Financial Accounting Margham Publications Chennai | | | | | | | | | | | |
|  | [Rajni Sofat](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsY2-7iYecAp1-1ugsd-Zhn2U_uldQ:1668342585651&q=inauthor:%22Rajni+Sofat%22&tbm=bks), [PreetiHiro](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsY2-7iYecAp1-1ugsd-Zhn2U_uldQ:1668342585651&q=inauthor:%22Preeti+Hiro%22&tbm=bks),“Basic Accounting”, PHI Learning, 2010 | | | | | | | | | | | |
|  | [Nishat Azmat](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsZQCk_eYSukoBsSQ1R-2vPEY462lA:1668342690895&q=inauthor:%22Nishat+Azmat%22&tbm=bks), [Andy Lymer](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsZQCk_eYSukoBsSQ1R-2vPEY462lA:1668342690895&q=inauthor:%22Andy+Lymer%22&tbm=bks), “Basic Accounting”, Mobius, 2016 | | | | | | | | | | | |
|  | [John J. Wild](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsb8AZW7LBdj3r32FmTHDOu1TIjKsA:1668342864622&q=inauthor:%22John+J.+Wild%22&tbm=bks), [Barbara Chiappetta](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsb8AZW7LBdj3r32FmTHDOu1TIjKsA:1668342864622&q=inauthor:%22Barbara+Chiappetta%22&tbm=bks), [Ken Shaw](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsb8AZW7LBdj3r32FmTHDOu1TIjKsA:1668342864622&q=inauthor:%22Ken+Shaw%22&tbm=bks), “Fundamental Accounting Principles”, Mc Graw Hill, 2016 | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | |
| 1. | Gupta. T.L. and Radhaswamy M, Advanced Accounting, Sultan Chand and Sons, 2009 | | | | | | | | | | | |
| 2. | Shukla and Grewal, Advanced Accounting, Sahithya Bhawan Publications, 2008, 51st Edition | | | | | | | | | | | |
| 3. | Maheswari. S.N., Financial Accounting, Vikas Publishing House, 2018, 6th E | | | | | | | | | | | |
| 4. | Jain,S.P. and Narang K.L, Advanced Accounting, Kalyani Publishers, 2016 | | | | | | | | | | | |
| 5. | Mukesh Mahajan, P.S.Gills, V.P.Sharma and H.S.Punia(2001), Fundamentals of Accountancy, Unistar Books, Chandigarh. | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | |
| 1. | <https://www.accounting.com/resources/students/> | | | | | | | | | | | |
| 2. | <https://www.cipfa.org> | | | | | | | | | | | |
| 3. | https://www.accountingcoach.com/ | | | | | | | | | | | |
| 4. | https://icmai.in/icmai/ | | | | | | | | | | | |
| 5. | https://www.business.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 | 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**

**FIRST YEAR-Semester – II**

**CORE III – MICROECONOMICS II**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | **Microeconomics II** | Core |  |  |  |  | | 5 | 5 | 25 | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | |
| 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 theories in Rent, Interest and Profit | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | | | | **No. of Hours** | |
| I | Perfect Competition  Features of Perfect Competition – Equilibrium of the firm and the industry in the Short Run - Long-Run Equilibrium in Perfect Competition- Time Element Analysis. | | | | | | | | | | 16 | |
| II | Monopoly and Price Discrimination  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. | | | | | | | | | | 14 | |
| III | Monopolistic and Oligopoly Competition  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. | | | | | | | | | | 15 | |
| IV | Distribution Theory  Functional and Personal Distribution – Marginal Productivity Theory of Distribution – Product Exhaustion Theorem - Concepts of VMP and MRP. | | | | | | | | | | 15 | |
| V | **Rent, Interest and Profits**  Ricardian Theory of Rent – Keynes Liquidity Preference Theory of Interest – Schumpeter’s theory of Profits | | | | | | | | | | 15 | |
|  | **Total** | | | | | | | | | | **75** | |
| **Course Outcomes** | | | | | | | **Programme Outcomes** | | | | | |
| CO | On completion of this course, students will | | | | | |  | | | | | |
| 1 | Understand the equilibrium conditions in Perfect Competition. | | | | | | PO1 | | | | | |
| 2 | Analyze the equilibrium conditions under Monopoly Market Structure. | | | | | | PO2,PO3 | | | | | |
| 3 | Describe the Market Equilibrium under Monopolistic and Oligopoly Market. | | | | | | PO2, PO6 | | | | | |
| 4 | Know the importance of theories of Distribution. | | | | | | PO5, PO8 | | | | | |
| 5 | Evaluate the relevance of Rent, Interest and Profit | | | | | | PO4, PO7 | | | | | |
|  |  | | | | | |  | | | | | |
| **Text Book** | | | | | | | | | | | | |
| 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:**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **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 | 2 | 2 | 3 | 2 | 3 | 3 |
| Weightage | 15 | 14 | 14 | 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**

**CORE IV - Statistics for Business Analysis**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Statistics for Business Analysis** | Core |  |  |  |  | | 5 | 5 | 25 | | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | | |
| C1 | Have knowledge on sampling techniques | | | | | | | | | | | | |
| C2 | Gain insight of the degree of relationship or correlation among variables | | | | | | | | | | | | |
| C3 | Estimate the values of unknown variables through Regression | | | | | | | | | | | | |
| C4 | Understand the relevance of index numbers and its types | | | | | | | | | | | | |
| C5 | Analyse the components of time series an interpret the values | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | | | | **No. of Hours** | | |
| I | Sampling–Population and Sample- Types of sampling -Sampling errors– Sampling Design–Design of questionnaire. | | | | | | | | | | 14 | | |
| II | Correlation–Types –Calculation of co-efficient of correlation–Rank correlation co-efficient | | | | | | | | | | 16 | | |
| III | Regression–Two Variable Linear Regression – Meaning – Regression lines and regression coefficient. | | | | | | | | | | 15 | | |
| IV | Index numbers–Uses – Types- Simple and weighted index numbers–Laspeyeres and Paasche’s–Fisher’s Ideal index number –Marshall–Edgeworth–Construction–Wholesale Price Index and Consumer Price Index. | | | | | | | | | | 15 | | |
| V | Analysis of Time Series-Uses -Components–Measurement of secular trend–Moving average method -Method of Least Squares | | | | | | | | | | 15 | | |
|  | **Total** | | | | | | | | | | **75** | | |
| **Course Outcomes** | | | | | | | **Programme Outcomes** | | | | | | |
| CO | On completion of this course, students will | | | | | |  | | | | | | |
| 1. | Gain knowledge on sampling techniques | | | | | | PO1, PO2 | | | | | | |
| 2. | Gain insight of the degree of relationship or correlation among variables | | | | | | PO2 | | | | | | |
| 3. | Estimate the values of unknown variables | | | | | | PO2 | | | | | | |
| 4. | Understand the importance of Index numbers | | | | | | PO1, PO2 | | | | | | |
| 5. | Know the components of time series and interpret the values | | | | | | PO2,PO3,PO7 | | | | | | |
| **Text Book** | | | | | | | | | | | | | |
|  | S. P. Gupta, Fundamentals of Applied Statistics, S. Chand and Sons, 1993 | | | | | | | | | | | | |
|  | R.S.N. Pillai and V. Bhagavati, Statistics – Theory and Practice, S. Chand & Company, 2017 | | | | | | | | | | | | |
|  | Hooda. R.P., Introduction to Statistics, Mc Millan India Limited, 2005 | | | | | | | | | | | | |
|  | Wonnacott. H. Thomas and Wonnacott. J. Ronald, Introductory Statistics, John Wiley and Sons Inc. New York 1969. | | | | | | | | | | | | |
|  | Hooda,R.P., Statistics for Business and Economics–Vikas Publishers, 5th Edition, 2013. | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | |
|  | Saxena H.C , (2016) Elementary Statistics, S Chand and Company New Delhi. | | | | | | | | | | | | |
|  | Elhance D.N, (2004), Fundamentals of Statistics Kitab Mahal, New Delhi | | | | | | | | | | | | |
|  | Manoharan M (2010), “Statistical Methods”, Palani Paramount Publications, Palani. | | | | | | | | | | | | |
|  | R.S.N.Pillai and V. Bagavathi(2010), Statistics, Sultan Chand and Sons, New Delhi | | | | | | | | | | | | |
|  | Dr.S.Sachdeva ( 2014) Statistics -Lakshmi Narain Agarwal. | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | |
| 1. | <https://www.statistics.com/courses/regression-analysis/> | | | | | | | | | | | | |
| 2. | <https://www.questionpro.com/blog/types-of-sampling-for-social-research/> | | | | | | | | | | | | |
| 3 | <https://www.geeksforgeeks.org/correlation-meaning-significance-types-and-degree-of-correlation/> | | | | | | | | | | | | |
| 4. | <https://www.toppr.com/guides/economics/statistics-for-economics/statistics-in-economics/> | | | | | | | | | | | | |
| 5. | <https://www.cambridgescholars.com/resources/pdfs/978-1-5275-7583-7-sample.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** | 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**

**ELECTIVE II – BUSINESS ENVIRONMENT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | **External** | | **Total** |
|  | **Business Environment** | | Elective |  |  |  |  | 3 | | 4 | 25 | 75 | | 100 |
| **Course Objectives** | | | | | | | | | | | | | | |
| C1 | To impart knowledge on the concept of business environment & its significance | | | | | | | | | | | | | |
| C2 | To know the Political factors and its impact on business. | | | | | | | | | | | | | |
| C3 | To throw light on importance of the types of Social Organization. | | | | | | | | | | | | | |
| C4 | To discuss on the importance of Economic Environment | | | | | | | | | | | | | |
| C5 | To create awareness of RBI & Stock Exchange. | | | | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | | | **No. of Hours** | |
| I | **Business Environment**  Meaning -Nature and Significance -Political, Cultural, Legal, Economic, and Social Environments and their impact on business and strategic decisions | | | | | | | | | | | | 12 | |
| II | **Political Environment**  Functions of State-Roles of Government-Government and Legal Environment. Constitutional Provisions -Rationale and extent of State Intervention | | | | | | | | | | | | 12 | |
| III | **Social Environment**  Cultural Heritage; Social Attitudes- Castes and Communities- Joint Family Systems; Linguistic And Religious Groups; Types of Social organization | | | | | | | | | | | | 12 | |
| IV | **Economic Environment**  Business Cycles - Macroeconomic Indicators- GDP, Growth Rate- Population- Urbanization- National Income and Per Capita Income, Five-Year Plans - NITI Aayog (National Institution for Transforming India) 1991 New Economic Policy; business liberalization, privatization, and globalization | | | | | | | | | | | | 12 | |
| V | **Financial Environment**  RBI-Commercial Banks -National Stock Exchange- Non-Banking Financial Companies (NBFCs) | | | | | | | | | | | | 12 | |
|  | **Total** | | | | | | | | | | | | **60** | |
| **Course Outcomes** | | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | | | | | | | |
| **CO1** | Understand the concepts of Business Environment. | | | | | | | | PO1,PO2 | | | | | |
| **CO2** | Gain knowledge on Political Environment | | | | | | | | PO1, PO2, PO3 | | | | | |
| **CO3** | To analyse the importance of social groups in Decision Making | | | | | | | | PO2,PO4, PO5,PO6, PO8 | | | | | |
| **CO4** | To evaluate the types of economic environment and its impact on business. | | | | | | | | PO3, PO4, PO5, PO6 | | | | | |
| **CO5** | To assess the role of Financial Institutions in business | | | | | | | | PO1,PO2,PO3, PO8 | | | | | |
| **Text Books** | | | | | | | | | | | | | | |
| 1. | Sankaran.S (Reprint 2016) Business Environment, Margham Publishing House, hid Revised Edition | | | | | | | | | | | | | |
| 2. | Gupta C B (Reprint 2018),Business Environment, Sultan Chand & Sons. Eleventh Revised Edition | | | | | | | | | | | | | |
| 3. | K.Ashwathappa, (Reprint 2016) Essentials of Business Environment, Himalaya Publishing House, 6th Edition, India | | | | | | | | | | | | | |
| 4. | Joshi Rosy Kapoor Sangam, Business Environment, Kalyani Publishers, Ludhiana | | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | | |
|  | | Mohan Prakash (2021) Business Environment:A Test/Reference Book With Case Studies – E-Book | | | | | | | | | | | | |
|  | | Ruchi Goyal (2019) Business Environment, Neelkanth Publishers Pvt. Ltd. | | | | | | | | | | | | |
|  | | Shaikh Saleem (2020) Business Environment,4th Edition, Pearson | | | | | | | | | | | | |
|  | | Faisal Ahmed (2014) Business Environment: Indian And Global Perspective, PHI Learning Publication | | | | | | | | | | | | |
|  | | Ashish Garg (2023) A Handbook on Business Environment, All Clear Publications | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | | |
| 1. | <https://www.lawinsider.com/dictionary/social-environment> | | | | | | | | | | | | | |
| 2. | https://courses.lumenlearning.com/suny-osintrobus/chapter/understanding-the-business-environment/ | | | | | | | | | | | | | |
| 3. | https://www.brainkart.com/article/Types-of-Business-Environment\_40857/ | | | | | | | | | | | | | |
| 4. | https://marketbusinessnews.com/financial-glossary/economic-environment/ | | | | | | | | | | | | | |
| 5. | https://www.toppr.com/guides/commercial-knowledge/business-environment/macro-economic-environment/ | | | | | | | | | | | | | |

**Mapping with program 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**

**SEC II - Business Ethics & Values**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Business Ethics & Values** | NME |  |  |  |  | | 2 | 2 | 25 | | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | | |
| C1 | Impart knowledge on Business Ethics | | | | | | | | | | | | |
| C2 | Understand the immoral practices to be avoided | | | | | | | | | | | | |
| C3 | Inculcate the good business practices in an organization | | | | | | | | | | | | |
| C4 | Awareness on the impact of Polluted Environment | | | | | | | | | | | | |
| C5 | Realize the corporate responsibility towards national building. | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | | | | **No. of Hours** | | |
| I | **Business Ethics**  Definition - Role and importance -Values in Business- Meaning -Impact on Business Policy and Business Strategy–Role of CEO -Impact on the Business Culture | | | | | | | | | | 16 | | |
| II | **Ethical Issues in Business**  Bribes – Coercion– Deception– Theft – Unfair Discrimination –Harassment- Social Media Ethics | | | | | | | | | | 14 | | |
| III | **Ethics Internal**  Hiring employees – Promotions – Discipline – Wages – Job Description – Exploitation of Employees - Consumers – Fair Prices – False Claim Advertisements | | | | | | | | | | 15 | | |
| IV | **Ethics External**  Environment Ethics- Pollution Control–Relationship of Values and Ethics - Indian Ethos | | | | | | | | | | 15 | | |
| V | **Social Responsibilities of Business**  Shareholders- Employees–Customers–Dealer- Vendors –Government–Social Audit | | | | | | | | | | 15 | | |
|  | **Total** | | | | | | | | | | **75** | | |
| **Course Outcomes** | | | | | | | **Programme Outcome** | | | | | | |
| CO | On completion of this course, students will | | | | | |  | | | | | | |
| 1. | Understand the importance of business ethics and its impact on business policy | | | | | | PO1 | | | | | | |
| 2. | Understand the ethical issues to be avoided | | | | | | PO1,PO2 | | | | | | |
| 3. | Impart knowledge on external and internal ethics | | | | | | PO2, PO4 | | | | | | |
| 4. | Realize the relationship between Values and ethics and know the environmental concepts concerning with business practices | | | | | | PO4,PO7 | | | | | | |
| 5. | Recognize the importance of corporate responsibility towards national building | | | | | | PO1, PO8 | | | | | | |
| **Text Book** | | | | | | | | | | | | | |
|  | Mamoria SubbaRao ,BusinessPlanning and Policy, Himalaya Publishing,2017 | | | | | | | | | | | | |
|  | William H. Shaw, Business Ethics, Cengage Learning, 8th Edition, 2013 | | | | | | | | | | | | |
|  | David J. Fritzche, Business Ethics, McGraw Hill Education(ISE Editions), 2nd Revised Edition, 2004 | | | | | | | | | | | | |
|  | PeterMadsen&JayM. Shafritz – Essentials of Business Ethics, Plume, 1990. | | | | | | | | | | | | |
| 5. | Srinivasan, N. P., & Gupta, G. P. (2001). Entrepreneurial Development”. Sultan Chand and Sons, New Delhi | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | |
|  | Kurt Stanberry (2018) Business Ethics | | | | | | | | | | | | |
|  | A.C. Fernando (2009) Business Ethics: An Indian Perspective | | | | | | | | | | | | |
|  | John Mackey (2013) Conscious Capitalism: Liberating the Heroic Spirit of Business | | | | | | | | | | | | |
|  | Denis Collins (2017) Business Ethics: Best Practices for Designing and Managing Ethical Organizations | | | | | | | | | | | | |
|  | Mark S. Schwartx (2017) Business Ethics: An Ethical Decision-Making Approach | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | |
| 1. | https://getuplearn.com/blog/business-ethics-and-values/ | | | | | | | | | | | | |
| 2. | https://www.managementstudyguide.com/values-ethics.htm | | | | | | | | | | | | |
| 3. | https://www.managementstudyguide.com/importance-of-workplace-ethics.htm | | | | | | | | | | | | |
| 4. | https://leaders.com/articles/company-culture/ethical-values/ | | | | | | | | | | | | |
| 5. | https://www.ibe.org.uk/knowledge-hub/ibe-business-ethics-framework/purpose-ethicalvalues-culturebehaviour.htm | | | | | | | | | | | | |

**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**

**SEC III – Gender Economics**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **GENDER ECONOMICS** | NME |  |  |  |  | | 2 | 2 | 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)- Women And Empowerment-Women And Environment – Ecofeminism. | | | | | | | | | | 15 | | |
| III | **Women and Work**  Invisibility of Women – “Statistical Purdah” - A Critique of Methods, Concepts, Definitions- Employed in Economic Theory - | | | | | | | | | | 18 | | |
| IV | **Discrimination Theories**  Gender – Discrimination Theories - Women in The Labour Market –Wage Differentials- Micro Credit - Women in The Organized and Unorganized Sectors Of The Indian Economy - Feminization of Work - 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 Shrivastava(2018) Gender Discrimination and Inequality in Contemporary India: Dimensions and Voices of Protests, Kalpaz Publications. | | | | | | | | | | | | |
| 2 | [Caroline Criado Perez](https://www.amazon.in/Caroline-Criado-Perez/e/B082ZRN17J/ref=dp_byline_cont_book_1)(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**

**SECOND YEAR- SEMESTER – III**

**CORE V – MACROECONOMICS - I**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | **External** | | **Total** |
|  | MACRO ECONOMICS-I | **Core** |  |  |  |  | 5 | | 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  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  Introduction - Aggregate Demand and Aggregate Supply – Assumptions of Classical Theory – Say’s Law – Wage and Price Flexibility - Employment and Output determination in Classical Model | | | | | | | | | | | 15 | |
| III | Under Employment: Keynesian Theory  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  Keynesian Absolute Income Hypothesis – Duesenberry’s Relative Income Hypothesis – Friedman’s Permanent Income Hypothesis – Modigliani’s Life Cycle Hypothesis. | | | | | | | | | | | 15 | |
| V | Inflation  Inflation: Definition and Types -Demand Pull -Cost Push and Mark-up Inflation– Headline and Core Inflation- Remedial Measures- 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. | Rudiger Dornbusch , 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), Readings in 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**

**CORE VI – MATHEMATICS FOR ECONOMISTS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | | | **Subject Name** | **Category** | **L** | **T** | **P** | | **S** | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | | | MATHEMATICS FOR ECONOMISTS | **Core** |  |  |  | |  | 5 | 5 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | | | | | |
| C1 | | To integrate the concepts of Economics with Mathematical tools. | | | | | | | | | | | | |
| C2 | | To use Matrices to find solutions | | | | | | | | | | | | |
| C3 | | To apply the applications of Matrix Algebra in Economics | | | | | | | | | | | | |
| C4 | | To know the differentiation and its function | | | | | | | | | | | | |
| C5 | | To understand the second order derivatives and its maximin function | | | | | | | | | | | | |
| **UNIT** | | **Contents** | | | | | | | | | | | **No. of Hours** | |
| I | | Introduction  Variables, Constants, Equations and its types – Uses and limitations of Mathematics in Economics- Functions– Linear function, Parabola, Rectangular Hyperbola- Exponential, Logarithmic, Power function and Homogenous Function – Applications in Economics | | | | | | | | | | | 12 | |
| II | | Matrix Algebra and Determinants  Types of Matrices- Matrix Operations – Addition – Subtraction- Matrix Multiplication – Transpose –Determinants, Inverse and Properties (Problems). | | | | | | | | | | | 15 | |
| III | | Applications of Matrix Algebra  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  Limits and Continuity –Differentiability of a Function –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)  Second Order Derivatives–Maximization and Minimization of a Function– Economic Applications – Output and Revenue Maximization -Cost Minimization – Profit Maximization under Perfect Competition, Monopoly, Discriminating Monopoly (Problems). | | | | | | | | | | | 15 | |
|  | | **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, 3rd Edition, Mc Graw Hill | | | | | | | | | | | | | |
| 3 | Renshaw Geoff, (2005) Maths for Economics, 3rd 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://www.cuemath.com/algebra/solve-matrices/ | | | | | | | | | | | | | |
| 5. | https://tutorial.math.lamar.edu/problems/calci/diffformulas.aspx | | | | | | | | | | | | | |

**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**

**ELECTIVE – III – BUSINESS COMMUNICATION**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | | Business Communication | Elective |  |  |  |  | | 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 correspondence with insurance and other organisation | | | | | | | | | | | | |
| C5 | To understand the meaning and importance of report writing | | | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | | | **No. of Hours** |
| I | Communication  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  Management and Communication: Need and Importance – Corporate Communication - Communication Training for Managers - Communication Structure in an Organization. | | | | | | | | | | | | 15 |
| III | Business Letters  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  Correspondence: Bank Correspondence - Insurance Correspondence – Agency Correspondence - Import-Export Correspondence | | | | | | | | | | | | 15 |
| V | Report Writing  Report Writing: Meaning and Importance- Characteristics - Purpose –Structure of Business Report - Report Preparation | | | | | | | | | | | | 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 required in business | | | | | | | PO1,PO4 | | | | | |
| 3. | Understand the art of formal 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](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsZIDSPBXFi46Eqvp_QmhHz9tiDnUw:1668335548834&q=inauthor:%22Virander+K.+Jain%22&tbm=bks), “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-1**

**SEC IV – CONSUMER RIGHTS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | | Consumer rights | NME |  |  |  |  | | 1 | 1 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | | | | |
| C1 | To familiarize the students with rights as a consumer, the social framework of consumer rights and legal framework of protecting consumer rights | | | | | | | | | | | | |
| C2 | Provide an understanding of the features of the Consumer protection Act | | | | | | | | | | | | |
| C3 | Understand the role of Grievance Redressal Forums | | | | | | | | | | | | |
| C4 | Comprehend the business firms' interface with consumers and the various Ombudsman | | | | | | | | | | | | |
| C5 | Get an insight on Consumer movements in India | | | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | | | **No. of Hours** |
| I | **Consumer and Markets**  Concept of Consumer- Consumer Rights –Issues faced by Consumers-Consumer Protection: Genesis and Need -Consumer Education – Significance | | | | | | | | | | | | 15 |
| II | **The Consumer Protection Act, 1986 (CPA) and 2002 Amendment**  Objectives and Basic Concepts-Restrictive Trade Practice-Defect in Goods-Deficiency in Service -Contract of Service -Contract for Service- Misleading Advertisements-  Organizational set-up-Consumer Protection Councils | | | | | | | | | | | | 15 |
| III | **Grievance Redressal Mechanism**  Three tier Consumer Disputes Redressal Agencies- Consumer Mediation Cell Procedure for filing Complaints-Limitations -Consumer Mediation Cell | | | | | | | | | | | | 15 |
| IV | **Consumer Complaint Redress Mechanism**  Types of Ombudsman- Banking Ombudsman - Insurance Ombudsman - Food Adulteration and Legal Rights - Food Safety and Standards Authority of India (FSSAI) | | | | | | | | | | | | 15 |
| V | **Consumer Movement in India**  Evolution- Formation of consumer organizations and Non GovernmentalOrganisations (NGOs)-National Consumer Helpline-[Bureau of Indian Standards-AGMARK- International Organization for Standardization(ISO)- Hologram – SilkMark -Ecomark](https://www.bis.gov.in/?lang=en) | | | | | | | | | | | | 15 |
|  | **Total** | | | | | | | | | | | | **75** |
| **Course Outcomes** | | | | | | | | **Programme Outcomes** | | | | | |
| CO | On completion of this course, students will | | | | | | |  | | | | | |
| 1. | Know their rights as consumer and legal framework of protecting consumer rights | | | | | | | PO1 | | | | | |
| 2. | Understand the features of the CPA 1986 | | | | | | | PO2, PO3 | | | | | |
| 3. | Examine the mechanism for complaints | | | | | | | PO1, PO2 | | | | | |
| 4. | Know the consumer related regulatory mechanism | | | | | | | PO1 | | | | | |
| 5. | Gain knowledge consumer movements and various standards | | | | | | | PO1 | | | | | |
| **Textbooks** | | | | | | | | | | | | | |
| 1. | Khanna, Sri Ram, Savita Hanspal, Sheetal Kapoor, and H.K. Awasthi. Consumer Affairs" (2007) Delhi University Publication. | | | | | | | | | | | | |
| 2. | Aggarwal, V. K. (2003). Consumer Protection: Law and Practice. 5th ed. Bharat Law House, Delhi, or latest edition. | | | | | | | | | | | | |
| 3. | Girimaji, Pushpa (2002). Consumer Right for Everyone Penguin Books. | | | | | | | | | | | | |
| 4. | Nader, Ralph (1973). The Consumer and Corporate Accountability. USA, Harcourt Brace Jovanovich, Inc | | | | | | | | | | | | |
| 5. | Sharma, Deepa (2011).Consumer Protection and Grievance-Redress in India: A Study of Insurance Industry (Lap Lambert Academic Publishing GmbH & Co.KG, Saarbrucken, Germany | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | |
| 1. | Rajyalaxmi Rao, Consumer is King, Universal Law Publishing Company | | | | | | | | | | | | |
| 2. | Empowering Consumers e-book, www.consumeraffairs.nic.in | | | | | | | | | | | | |
| 3. | Bangia (2018) Consumer Protection Act, Allahabad Law Agency Publications | | | | | | | | | | | | |
| 4. | Verma, D.P.S. (2002). Regulating Misleading Advertisements, Legal Provisions and Institutional Framework. Vikalpa. Vol. 26. No. 2. pp. 51-57. | | | | | | | | | | | | |
| 5. | George, S. Day and A. Aaker (1970). A Guide to consumerism. Journal of Marketing. Vol. 34. pp 12-19. | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | |
| 1. | <https://ncdrc.nic.in/> | | | | | | | | | | | | |
| 2. | https://cleartax.in/s/consumer-court | | | | | | | | | | | | |
| 3. | https://consumerhelpline.gov.in/Consumer\_Handbook.pdf | | | | | | | | | | | | |
| 4. | https://blog.ipleaders.in/consumer-rights-and-responsibilities-that-everyone-needs-to-know-about/ | | | | | | | | | | | | |
| 5. | https://www.geeksforgeeks.org/consumer-protection-act-1986/ | | | | | | | | | | | | |

**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**

**SEC V – ELEMENTS OF E - COMMERCE**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | **External** | | **Total** |
|  | **Elements of E-Commerce** | NME |  |  |  |  | 2 | | 2 | 25 | 75 | | 100 |
| **Learning Objectives** | | | | | | | | | | | | | |
| C1 | To learn the nature and concepts of E-commerce in India | | | | | | | | | | | | |
| C2 | To understand the various business models for E-Commerce and its uses | | | | | | | | | | | | |
| C3 | To analyse the Various on line business transactions and its applications | | | | | | | | | | | | |
| C4 | To explain the E-Promotion and consumer protection and its latest amendments | | | | | | | | | | | | |
| C5 | To update the students on various methods of E-payment systems and tis risks. | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | | | | | **No. of Hours** | |
| I | Introduction  Meaning – Nature – ­Concepts – advantages and disadvantages – online Transaction - Types of E-Commerce - Growth of E-Commerce in India – Laws Governing E commerce in India | | | | | | | | | | | 15 | |
| II | Business Models for E-commerce  E-commerce Models - Business-to-Business (B2B) – Business– to- Consumer (B2C) - Consumer-to-Consumer (C2C) - Consumer-to-Business (C2B) - Direct to Customer (D2C) – Peer-to-Peer (P2P) - Brokerage Model - Aggregator Model. | | | | | | | | | | | 15 | |
| III | Online Business Transactions  E-Commerce Applications in Various Industries- Banking, Insurance, Payment Of Utility Bills - Online Marketing /E-Tailing (Popularity, Benefits, Problems and Features) -Online Services (Financial, Travel and Career) /Auctions, Online Portal, Online Learning - Publishing and Entertainment - Online Shopping | | | | | | | | | | | 15 | |
| IV | **E-Promotion and Consumer Protection**  E-Advertising techniques: Banners, Sponsorships, Portals, and online coupons-Role of Influencers in Social Media- Marketing-Porters Value Chain Model | | | | | | | | | | | 15 | |
| V | **E- Payment System**  Models and Methods of e–Payments (Debit Card, Credit Card, Smart Cards, e-money) - Digital Signatures- Payment Gateways - Online Banking: Meaning, Concepts, Importance, Electronic Fund Transfer - Automated Clearing House - Risks involved in e-payments. | | | | | | | | | | | 15 | |
|  | **Total** | | | | | | | | | | | **75** | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | | | | | | |
| **CO1** | Understand the pros & cons of E-commerce. | | | | | | | PO2, PO6, PO7 | | | | | |
| **CO2** | Analyze the various models of E-commerce. | | | | | | | PO2, PO5, PO6, PO7 | | | | | |
| **CO3** | Understand the online business transaction and their impact on related service providers. | | | | | | | PO6, PO7, PO8 | | | | | |
| **CO4** | Understand the e-marketing mix and be familiar with consumer protection. | | | | | | | PO2, PO4, PO7 | | | | | |
| **CO5** | Know the mechanism of E- payment and its operations. | | | | | | | PO1, PO2, PO4, PO7, PO8 | | | | | |
| **Text Books** | | | | | | | | | | | | | |
| 1. | Bajaj K.K andDebjani Nag ( 2017 ), E-commerce, McGraw Hill Education | | | | | | | | | | | | |
| 2. | Chhabra T.N , Suri and Sanjiv Varma ( 2005) E-Commerce, Dhanpat Rai & Co | | | | | | | | | | | | |
| 3. | Dr.K. Abirami Devi and Dr.M. Alagammal, “E- Commerce”, Margaham Publication, | | | | | | | | | | | | |
| 4. | Amir Manzoor, “E- Commerce: An Introduction”, Lambert Academic Pubishing,2010 | | | | | | | | | | | | |
| 5. | Dr. Shivani Arora, “E-Commerce”, Taxmann Publishing, 2017 | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Pandey ( 2013 ) Ecommerce and its Applications , S.K. Kataria& Sons | | | | | | | | | | | | |
| 2. | Kenneth C. Laudon and Carlo Guercio Traver(2020 ) , E-Commerce, Pearson Education. | | | | | | | | | | | | |
| 3. | Pralok Gupta (2020) E-commerce in India: Economic and Legal Perspectives, SAGE Publications India Pvt Ltd | | | | | | | | | | | | |
| 4. | David Whitley (2017) E - Commerce: Strategy, Technologies and Applications, | | | | | | | | | | | | |
| 5. | Joseph P.T ., S.J (2019) “E-Commerce : An Indian Perspective” PHI Learning Pvt. Ltd. | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | |
| 1 | https://ssrana.in/corporate-laws/information-technology-law-india/e-commerce-laws-india/ | | | | | | | | | | | | |
| 2 | <https://ecommerceguide.com> | | | | | | | | | | | | |
| 3 | https://www.bigcommerce.com/resources/ | | | | | | | | | | | | |
| 4. | https://www.cloudways.com/blog/top-ecommerce-websites/ | | | | | | | | | | | | |
| 5. | https://www.indiafilings.com/learn/how-to-start-an-ecommerce-business-in-india/ | | | | | | | | | | | | |

**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 M-Medium L-Low**

**SECOND YEAR- SEMESTER – IV**

**CORE VII – MACROECONOMICS – II**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | Macro Economics –II | **Core** |  |  |  |  | 5 | | 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. | | | | | | | | | | | | |
| **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** | | |
| **Course Outcomes** | | | | | | | | **Programme Outcome** | | | | | |
| CO | On completion of this course, students will | | | | | | |  | | | | | |
| 1 | Understand the IS-LM Model. | | | | | | | PO1,PO2,PO5 | | | | | |
| 2 | Learn the operation of theories of Business Cycles. | | | | | | | PO2,PO3,PO5 | | | | | |
| 3 | Analyze the components of Money Supply and Demand. | | | | | | | PO3,PO4,PO6 | | | | | |
| 4 | Evaluate the effectiveness of Fiscal Policy. | | | | | | | PO3,PO4 | | | | | |
| 5 | Understand Supply Side Economics. | | | | | | | PO1,PO2,PO3 | | | | | |
| **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 | VaishM.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. | [SoumenSikdar](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsaWs614KzCWoLLJTZ1JQELYVuuLLA:1668341023226&q=inauthor:%22Soumen+Sikdar%22&tbm=bks),“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-1**

**CORE VIII - Monetary Economics**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | **Monetary Economics** | Core |  |  |  |  | | 5 | 5 | 25 | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | |
| C1 | To understand the nature, basic concepts, scope and importance of money | | | | | | | | | | | |
| C2 | The students get an insight in to the different schools of thought regarding the demand for money and supply of money. | | | | | | | | | | | |
| C3 | It explains the linkages between Real and Monetary sector through monetary theories. | | | | | | | | | | | |
| C4 | It throws light on the components of money supply and also system of note issue | | | | | | | | | | | |
| C5 | It enables the students to gets awareness of the different types, causes and effects of inflation and deflation | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | | | | **No. of Hours** | |
| I | **Introduction to Money**  Evolution and functions of money– Forms of money–Value of money – Determination of relationship between Value of money and Prices | | | | | | | | | | 15 | |
| II | **Quantity theory of Money**  –Fisher’s Equation of Exchange – Cash Balance approach -Keynes Saving–Investment theory-Keynes’ theory of Money and Prices - Restatement of Quantity Theory of Money– Milton Friedman | | | | | | | | | | 17 | |
| III | **Real and Monetary Sectors**  Linkages between Real and Monetary sector–Dichotomy between Real and Monetary Sectors– Neutrality of Money– Real Balance Effect | | | | | | | | | | 13 | |
| IV | **Money Supply**  Components–Money Multiplier – System of Note Issue –Money Supply in India | | | | | | | | | | 15 | |
| V | **Inflation and Deflation**  Causes, Effects and Remedies-Trade Cycles–Theories of Trade Cycles – Deflation - Causes | | | | | | | | | | 15 | |
|  | **Total** | | | | | | | | | | **75** | |
| **Course Outcomes** | | | | | | | **Programme Outcomes** | | | | | |
| CO | On completion of this course, students will | | | | | |  | | | | | |
| 1 | Understand the functions and forms of money and the relationship between Money value and prices | | | | | | PO1, PO3 | | | | | |
| 2 | Know various theories of money | | | | | | PO1, PO3 | | | | | |
| 3 | Get knowledge on the concept of Money neutrality and the linkages and dichotomy between Real and Monetary Sector | | | | | | PO1, PO3 | | | | | |
| 4 | Understand the concept of Money multiplier and system of Money Supply in India | | | | | | PO1, PO3 | | | | | |
| 5 | Analyze Inflation and Deflation and gain insight on the concept of Trade Cycles | | | | | | PO3, PO7 | | | | | |
| **Text Book** | | | | | | | | | | | | |
| 1 | Seth M.L, (2010), Monetary Economics, S. Chand & Company, 2010 | | | | | | | | | | | |
| 2 | Agarwal, A. (2002). Public Finance, Theory and Practise. Finance India, 16(2), 706. | | | | | | | | | | | |
| 3 | Hajela, T. N. (2010). Public finance. Ane Books Pvt Ltd. | | | | | | | | | | | |
| 4 | Vaish, M.C (2017), Money, Banking, Trade and Public Finance, Lakshmi NarainAgarwal Publishers, 2017 | | | | | | | | | | | |
| 5 | Sundharam, K. P. M., &Andley, K. K. (2003). Public Finance. Theory And Practice. S. Chand. | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | |
| 1. | Srivastava P.K. (2013), Banking Theory and Practice, Himalaya Publishing House, New Delhi | | | | | | | | | | | |
| 2. | Heffernan, S. (2005). Modern Banking. John Wiley & Sons | | | | | | | | | | | |
| 3. | Goldfield and Chandler (1959) The Economics of Money and Banking, H & R Publication. | | | | | | | | | | | |
| 4. | Lewis, M. K., &Mizen, P. D. (2000). Monetary economics. OUP Catalogue. | | | | | | | | | | | |
| 5. | Pierce and Shaw, (1985), Monetary Economics: Theories, Evidence and Policy, Butterworth-Heinemann Ltd; 2nd revised edition | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | |
| 1. | https://www.imf.org/en/Publications/fandd/issues/Series/Back-to-Basics/Inflation | | | | | | | | | | | |
| 2. | https://blogs.cfainstitute.org/investor/2022/05/04/inflation-trends-whats-the-outlook/ | | | | | | | | | | | |
| 3. | <https://www.economicsdiscussion.net/trade-cycle/trade-cycle-meaning-features-and-theories/21071> | | | | | | | | | | | |
| 4. | https://www.nber.org/programs-projects/programs-working-groups/monetary-economics | | | | | | | | | | | |
| 5. | https://www.studyingeconomics.ac.uk/module-options/monetary-economics/ | | | | | | | | | | | |

**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 |

**\**

**ELECTIVE IV - Organizational Behaviour**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Organizational Behaviour** | | Elective |  |  |  |  | | 3 | 3 | 25 | | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | | | | |
| C1 | | Understanding behavioural dynamics of individuals and their Personality | | | | | | | | | | | | | |
| C2 | | Discuss theories of motivation and its relevance in the workplace | | | | | | | | | | | | | |
| C3 | | Explain the importance of group dynamics | | | | | | | | | | | | | |
| C4 | | Recognize good and poor leadership and leadership styles | | | | | | | | | | | | | |
| C5 | | Identify organization structures and strategizing for managing conflict and instituting negotiation. | | | | | | | | | | | | | |
| **UNIT** | | **Details** | | | | | | | | | | **No. of Hours** | | | |
| I | | **Introduction to Organizational Behaviour**  Foundations of Individual Behaviour – Personality – Perception –Learning - Values and Attitudes. | | | | | | | | | | 15 | | | |
| II | | **Motivation**  Early Theories – Contemporary Theories – Motivation at work – Designing, Motivating Jobs | | | | | | | | | | 15 | | | |
| III | | **Group Dynamics**  Group Behaviour – Communication and Group Decision Making – Inter- group Relations. | | | | | | | | | | 15 | | | |
| IV | | **Leadership**  Traits – Behavioural and Contingency theories –Leaders Vs Managers-Sources of Power- Power and Politics–Transactional Analysis– JobStress | | | | | | | | | | 15 | | | |
| V | | **Organizational structure and Design**  Organizational Change and Development– Organizational Culture and Climate– Organizational Conflict–Causes– Types of Conflict–Management of Conflict | | | | | | | | | | 15 | | | |
|  | | **Total** | | | | | | | | | | **75** | | | |
| **Course Outcomes** | | | | | | | | **Programme Outcomes** | | | | | | | |
| CO | | On completion of this course, students will | | | | | |  | | | | | | | |
| 1. | | Understand the concept of Organizational behaviour and the foundations of Individual behaviour | | | | | | PO1,PO2 | | | | | | | |
| 2. | | Analyze theories of motivation and strategies to improve motivation in the work place | | | | | | PO1,PO2,PO6 | | | | | | | |
| 3. | | Explain group dynamics and group behaviour in organisational life | | | | | | PO1, PO4, PO6 | | | | | | | |
| 4. | | Understand the various leadership styles | | | | | | PO1, PO3 | | | | | | | |
| 5. | | Identify organisation structures and the importance of managing conflicts | | | | | | PO6, PO3 | | | | | | | |
| **Text Book** | | | | | | | | | | | | | | | |
|  | | **Stephen P. Robbins (2016) Organizational Behaviour, Sixteenth Edition, Pearson Education** | | | | | | | | | | | | | |
|  | | Stephen Robbins (2019) Essentials of Organizational Behavior, 14th Edition, Pearson Education | | | | | | | | | | | | | |
|  | | K. Aswathappa (2010) Organizational Behaviour, Himalaya Publishing house | | | | | | | | | | | | | |
|  | | **Fred Luthans (2010) Organizational Behaviour,**12th Edition, McGraw-Hill Education | | | | | | | | | | | | | |
|  | | Newstrom, J. W. (2014) **Organizational Behaviour: Human Behaviour**at Work, 14th Edition, McGraw Hill Education | | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | | | |
| 1. | | L.M.Prasad, Organisational Behaviour, Sultan Chand & Sons, 5th Edition, 2014 | | | | | | | | | | | | | |
| 2. | | Stephen Robbins, Organisational Behaviour, Pearson Education Inc., 15th Edition, 2015 | | | | | | | | | | | | | |
| 3. | | Khanka. S.S., Organisational Behaviour, S. Chand, Reprint, 2006 Edition | | | | | | | | | | | | | |
| 4. | | Jit. S. Chandran, Organisational Behaviour, 2nd Edition, Vikas Publishing House, 2002. | | | | | | | | | | | | | |
| 5. | | **Anjali (2018) Organizational Behaviour: Concepts & Cases, Everest Publishing House, 2018** | | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | | | |
| 1. | | https://emeritus.org/in/learn/what-is-leadership/ | | | | | | | | | | | | | |
| 2. | | https://www.gov.nl.ca/iet/files/CCB\_GroupDynamicsGuide.pdf | | | | | | | | | | | | | |
| 3. | | https://www.iedunote.com/organizational-behavior | | | | | | | | | | | | | |
| 4. | | https://www.taxmann.com/post/blog/group-dynamics-meaning-features-and-types-of-group/ | | | | | | | | | | | | | |
| 5. | | https://www.indeed.com/career-advice/finding-a-job/what-is-conflict-management | | | | | | | | | | | | | |

**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 | 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 | 14 | 15 | 14 | 15 | 15 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 3.0 | 2.8 | 3.0 | 2.8 | 2.8 | 2.8 | 3.00 |

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

SEC VI – COMPUTER APPLICATIONS IN ECONOMICS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | COMPUTER APPLICATIONS IN ECONOMICS | **NME** |  |  |  |  | | 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  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  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  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  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  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**

**SEC VII- Economics of Money and Banking**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Economics of Money and Banking** | NME |  |  |  |  | | 2 | 2 | 25 | | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | | |
| C1 | It explains the structure of money market in general and Indian Money Market. | | | | | | | | | | | | |
| C2 | To familiarize the students with the different classification of banks and also the working & operation of RBI. | | | | | | | | | | | | |
| C3 | To know the types and functions of commercial banking. | | | | | | | | | | | | |
| C4 | It helps to know about the Banking sector Reforms since 1991 | | | | | | | | | | | | |
| C5 | The students would acquire knowledge pertaining to financial services in the financial markets | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | | | | **No. of Hours** | | |
| I | **Structure of the Money Market**  Indian Money Market-Organized Money Market: Instruments-Unorganized Market- Indigenous Bankers-Money Lenders | | | | | | | | | | 17 | | |
| II | **Central Banking**  Evolution–Functions – Methods of Credit control- Monetary Planning and policy with reference to India- e banking- UPI. | | | | | | | | | | 15 | | |
| III | **Commercial Banking**  Types–Functions–Liquidity Creation of Money–Balance Sheet of Commercial Banks– Portfolio of Commercial Banks | | | | | | | | | | 15 | | |
| IV | **Banking Sector Reforms since 1991**  Narasimhan Committee Recommendations - Securitization Act-Capital Adequacy Norms- Basel Norms- Demonetisation | | | | | | | | | | 15 | | |
| V | **Financial Services**  Merchant Banking– Mergers and Acquisitions– Mutual Funds- Capital Markets- Primary and Secondary Market–Stock Exchange Indices–DEMAT of Securities– SEBI | | | | | | | | | | 13 | | |
|  | **Total** | | | | | | | | | | **75** | | |
| **Course Outcomes** | | | | | | | **Programme Outcomes** | | | | | | |
| CO | On completion of this course, students will | | | | | |  | | | | | | |
| 1 | Understand the structure of money market | | | | | | PO1, PO3, PO5 | | | | | | |
| 2 | Familiarize with the evolution and functions of Central Bank and about Monetary policy in India. | | | | | | PO1, PO5 | | | | | | |
| 3 | Get insight on types and functions of commercial banking. | | | | | | PO1, PO5,PO7 | | | | | | |
| 4 | Acquire knowledge on the Banking Sector Reforms since 1991 | | | | | | PO7,PO8 | | | | | | |
| 5 | Get knowledge related to Financial Services in the financial markets | | | | | | PO3,PO7,PO8 | | | | | | |
| **Text Book** | | | | | | | | | | | | | |
| 1 | Seth M.L, (2010), Monetary Economics, S. Chand & Company, 2010 | | | | | | | | | | | | |
| 2 | Agarwal, A. (2002). Public Finance, Theory and Practise. Finance India, 16(2), 706. | | | | | | | | | | | | |
| 3 | Hajela, T. N. (2010). Public finance. Ane Books Pvt Ltd. | | | | | | | | | | | | |
| 4 | Vaish, M.C (2017), Money, Banking, Trade and Public Finance, Lakshmi NarainAgarwal Publishers, 2017 | | | | | | | | | | | | |
| 5 | Sundharam, K. P. M., &Andley, K. K. (2003). Public Finance: Theory And Practice. S. Chand. | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | |
| 1. | Srivastava P.K. (2013), Banking Theory and Practice, Himalaya Publishing House, New Delhi | | | | | | | | | | | | |
| 2. | Heffernan, S. (2005). Modern Banking. John Wiley & Sons | | | | | | | | | | | | |
| 3. | Goldfield and Chandler (1959) The Economics of Money and Banking, H & R Publication. | | | | | | | | | | | | |
| 4. | Lewis, M. K., &Mizen, P. D. (2000). Monetary economics. OUP Catalogue. | | | | | | | | | | | | |
| 5. | Pierce and Shaw, (1985), Monetary Economics: Theories, Evidence and Policy, Butterworth-Heinemann Ltd; 2nd revised edition | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | |
| 1. | <https://data.worldbank.org/indicator/SP.POP.TOTL> | | | | | | | | | | | | |
| 2. | <https://www.iom.int/> | | | | | | | | | | | | |
| 3. | https:/libguides.humdolt.edu | | | | | | | | | | | | |
| 4. | https://www.sebi.gov.in/ | | | | | | | | | | | | |
| 5. | https://www.rbi.org.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 | 3 | 3 | 3 | 3 | 3 | 3 |
| **CO 4** | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 |
| **CO 5** | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 |
| Weightage | 14 | 14 | 14 | 14 | 14 | 15 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 3.00 | 3.00 | 2.8 | 2.8 | 2.8 | 2.8 | 3.00 |

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

**THIRD YEAR – SEMESTER - V**

**CORE IX - Indian Economy**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Indian Economy** | Core |  |  |  |  | | 4 | 5 | 25 | | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | | |
| C1 | Acquire information on the various Planning techniques adopted in India | | | | | | | | | | | | |
| C2 | To know the trends in agricultural productivity | | | | | | | | | | | | |
| C3 | Gain Knowledge on the role of industries in economic development and also explains the role of small scale | | | | | | | | | | | | |
| C4 | To know the importance of various transport systems to economic growth | | | | | | | | | | | | |
| C5 | Students will be able to know about the measures of poverty and its eradication programmes | | | | | | | | | | | | |
| **UNIT** |  | | | | | | | | | | **No. of Hours** | | |
| I | **Introduction to Indian Economy**  Characteristics -Planning :Achievements and Failure – NITI Aayog- Planning Strategies-Harrod Domar – Mahalanobis -Gandhian and Nehruvian -LPG | | | | | | | | | | 15 | | |
| II | **Agriculture-**  Agricultural Productivity –Land Reforms- GreenRevolution- Agricultural Inputs and Agricultural Credit-Evaluation of Agricultural Policy during the plan Period- Reforms in Agricultural sector. | | | | | | | | | | 15 | | |
| III | **Industries in Economic Development**  Cottage, small scale and large scale (cotton, iron and steel, jute, sugar and tea)-Assessment of industrial Policy –measures since1991-Public Sector –Privatization Industrial reforms. | | | | | | | | | | 15 | | |
| IV | **Infrastructure**  Meaning – Types -Role in Economic Development-Urban, Rural and Health Infrastructure in India – Roadways and Railways | | | | | | | | | | 15 | | |
| V | **Poverty and Unemployment**  Absolute and Relative Poverty– Multi-Dimensional Poverty- Poverty eradication Programmes – Regional Development Disparities-Types of Unemployment and Government Schemes | | | | | | | | | | 15 | | |
|  | **Total** | | | | | | | | | | **75** | | |
| **Course Outcomes** | | | | | | | **Programme Outcomes** | | | | | | |
| CO | On completion of this course, students will | | | | | |  | | | | | | |
| 1. | Understand the features of the Indian Economy and strategies adopted in Planning | | | | | | PO1 | | | | | | |
| 2. | Get insight on the contribution of Agricultural sector to Economic Development and analyze the agricultural reforms in India | | | | | | PO2 | | | | | | |
| 3. | Understand role of industries in economic development and industrial measures since 1991 | | | | | | PO1,PO2 | | | | | | |
| 4. | Know the importance of Infrastructure in the development of an economy | | | | | | PO1,PO3 | | | | | | |
| 5. | Gain insight about the measures of poverty and its eradication programmes | | | | | | PO2,PO3,PO4 | | | | | | |
| **Text Book** | | | | | | | | | | | | | |
|  | Gaurav Datt and Ashwani Mahajan “Datt and Sundaram’s Indian Economy” S.Chand 72nd Edition. | | | | | | | | | | | | |
|  | Ashima Goyal(Ed.) The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism, Oxford University Press | | | | | | | | | | | | |
|  | Ramesh Singh, “Indian Economy”, Mc Graw Hill, 2022 | | | | | | | | | | | | |
|  | Sanjiv Verma, “The Indian Economy”, Unique Publication, 2022 | | | | | | | | | | | | |
|  | Dr. V.C Sinha,“Indian Economy Performance and Policies”, SBPD Publications,2021 | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | |
|  | Ahluwalia, I. J. and IMD Little (Eds.) (1998). India’s Economic Reforms and Development, Oxford University Press, New Delhi. | | | | | | | | | | | | |
|  | Byres, T.J. (Ed.) (1997), The State, Development Planning and Liberalization in India, Oxford University Press, New Delhi. | | | | | | | | | | | | |
|  | Byres, T.J. (Ed.) (1998), The Indian Economy: Major Debates Since Independence, Oxford University Press, New Delhi. | | | | | | | | | | | | |
|  | Kausik Basu (Ed.) (2012), Oxford Companion to Indian Economy, 3rd Edition, OUP, New Delhi | | | | | | | | | | | | |
|  | Uma Kapila (Ed.)(2017-18) Indian Economy Since Independence, Academic Foundation, New Delhi, 28thEdn | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | |
| 1. | https://www.toppr.com/guides/general-awareness/economy/indian-economy/ | | | | | | | | | | | | |
| 2. | https://www.agrivi.com/blog/factors-that-affect-agricultural-productivity/ | | | | | | | | | | | | |
| 3. | https://dpiit.gov.in/policies-rules-and-acts/policies/industrial-policy | | | | | | | | | | | | |
| 4. | https://www.adb.org/countries/india/economy | | | | | | | | | | | | |
| 5. | https://www.niti.gov.in/sites/default/files/2021-11/National\_MPI\_India-11242021.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 | 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**

**CORE X – FISCAL ECONOMICS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | **External** | **Total** | |
|  | FISCAL ECONOMICS | **Core** |  |  |  |  | | 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  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  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  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  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  Budget of the Government of India (Previous Financial Year)-Sources of Public Receipts (Tax and Non-Tax, GST and its Impacts-Sources of Public Borrowing and Debt Liabilities-Deficits-Appraisal of FRBM Act 2004- Fiscal Federalism: Centre and State Relations -Finance Commission Recommendations (13th ,14th and 15thCommissions ) | | | | | | | | | | | | 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**

**CORE XI – INTERNATIONAL ECONOMICS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | | **P** | **S** | **Credits** | | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | **INTERNATIONAL ECONOMICS** | **Core** |  |  | |  |  | 4 | | 5 | 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 - Free Trade and Economic Development-Free Trade Vs Protection. | | | | | | | | 15 | | | | |
|  | **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, PO3 | | | | | | | | |
| 2 | Grasp the basic theories of International Trade and Economic Growth. | | | | PO1,PO2,PO3 | | | | | | | | |
| 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,PO5 | | | | | | | | |
| 5 | Outline the concepts of terms of trade and assess the Tariff, quotas, Free trade and economic development | | | | PO1,PO2,PO5 | | | | | | | | |
| **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://commerce.gov.in/international-trade/trade-agreements/ | | | | | | | | | | | | |

**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**

**CORE XII – ENVIRONMENTAL ECONOMICS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | ENVIRONMENTAL ECONOMICS | | **Core** |  |  |  |  | | 4 | 5 | 25 | | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | | | | | |
| C1 | To understand the theoretical basis of Environmental Economics | | | | | | | | | | | | | |
| C2 | To choose the relevant economic tools to improve Environmental Quality | | | | | | | | | | | | | |
| C3 | To describe the Environment as a Public Good and market failure theories | | | | | | | | | | | | | |
| C4 | To doctrine the various methods of environmental valuation and its uses | | | | | | | | | | | | | |
| C5 | To know the environmental Issues of India | | | | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | | **No. of Hours** | | |
| I | Fundamentals of Environmental Economics  Definition, Scope and Significance - Environment – Economy Linkages – Material Balance Approach - Malthusian and Neoclassical perspective of Environment - Environment Kuznets Curve. | | | | | | | | | | | 15 | | |
| II | Economics of Natural Resources  Classification of Natural Resources - Scarcity and Measurement - Economics of Exhaustible Resources - Economics of Renewable Resources. | | | | | | | | | | | 15 | | |
| III | Market Failure  Environment as a Public Good **-** Tragedy of Commons-Externalities: Types  **-**Pigouvian Fee and Coase theorem on Property Rights- Optimum Level of Pollution – Command and Control Approach-Market Base Instruments | | | | | | | | | | | 12 | | |
| IV | Valuation of Environment  Total Economic Value - Contingent Valuation Method – Stated Preference - Travel Cost Model - Hedonic Pricing - Economics of Sustainable Development - Green Accounting – Ecological Footprint- Carbon Footprint-Ecological Shadow. | | | | | | | | | | | 18 | | |
| V | **Environmental Issues of India**  Climate Change- Pollution -Environmental Hazards and Disaster Management-Waste Management- India's Environmental Policy and Legislation -[Ministry of Environment, Forest and Climate Change- Pollution Control Boards](http://moef.gov.in/) | | | | | | | | | | | 15 | | |
|  | **Total** | | | | | | | | | | |  | | |
| **Course Outcomes** | | | | | | | | **Programme Outcomes** | | | | | | |
| CO | | On completion of this course, students will | | | | | |  | | | | | | |
| 1 | | Have a better understanding of Environment-Economy Linkages. | | | | | | PO1, PO2, PO5 | | | | | | |
| 2 | | Apply environmental concepts to Economic Theories. | | | | | | PO2,PO3 | | | | | | |
| 3 | | Create economic policies incorporating Environmental Issues. | | | | | | PO5, PO7 | | | | | | |
| 4 | | Analyse the methods to value Environment Pollution. | | | | | | PO2,PO3 | | | | | | |
| 5 | | Identify the environmental issues in India | | | | | | PO2,PO7 | | | | | | |
| **Textbooks** | | | | | | | | | | | | | | |
| 1 | | Karpagam. M, (2017), Environmental Economics–Third Edition, Sterling Publication Pvt. Ltd, Noida. | | | | | | | | | | | | |
| 2 | | Nick Hanley, Jason Shogren and Ben White, (2013), Introduction to Environmental Economics*,* Second Edition, Oxford University Press, Oxford. | | | | | | | | | | | | |
| 3 | | Eugine .T Environmental Economics, Oxford University Press, New Delhi. (2014), | | | | | | | | | | | | |
| 4 | | Hanley N, Shogren JF, White B “Environmental Economics in Theory and Practice”, 2nd Edition. Palgrave Macmillan, 2007 | | | | | | | | | | | | |
| 5 | | Kolstad, Charles D, (2000), Environmental Economics*,* New York: Oxford University Press, | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | | |
| 1. | | Maureen L. Cropper and Wallace E. Oates, “Environmental Economics: A Survey”, Journal of Economic Literature, Volume 30, 1992, | | | | | | | | | | | | |
| 2. | | Barry C. Field, (1994)Environmental Economics: An Introduction*,* Singapore, McGraw-Hill, | | | | | | | | | | | | |
| 3. | | Hussen, Ahmed.M.( 1999), Principles of Environmental Economics: Economics, Ecology and Public Sector. London: Routledge. | | | | | | | | | | | | |
| 4. | | Dr.S.Sankaran(2012) Environmental Economics Margham Publications. | | | | | | | | | | | | |
| 5. | | Mark Maslin(2014) “Climate Change: A Very Short Introduction 3rd Edition Oxford University Press. | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | | |
| 1. | | https://unfccc.int/ | | | | | | | | | | | | |
| 2. | | https://www.undp.org/ | | | | | | | | | | | | |
| 3. | | https://education.nationalgeographic.org/resource/pollution/ | | | | | | | | | | | | |
| 4. | | <https://www.envis.nic.in> | | | | | | | | | | | | |
| 5. | | https://www.jica.go.jp/jica-ri/IFIC\_and\_JBICI-Studies/english/publications/reports/study/topical/health/pdf/health\_08.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 | 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 | 15 | 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**

**ELECTIVE V - Fundamentals of Operations Research**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Fundamentals of Operations Research** | Elective |  |  |  |  | | 3 | 4 | 25 | | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | | |
| C1 | Formulate and solve problems as networks and graphs | | | | | | | | | | | | |
| C2 | Understand the constraints in achieving Optimal Solution | | | | | | | | | | | | |
| C3 | Identify the feasible models in transportation | | | | | | | | | | | | |
| C4 | Understand Game theory and the Principles of Dominance | | | | | | | | | | | | |
| C5 | Analyse the Evolution of Network techniques and its construction | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | | | | **No. of Hours** | | |
| I | Operations Research – Introduction – Definition and Characteristics of Operations research- Deductive and Inductive approaches- Methodology- Operations Research techniques | | | | | | | | | | 17 | | |
| II | Linear Programming - basic concepts - Formulation of models - Limitations of linear programming -Graphical method - Linear Programming -Simplex method | | | | | | | | | | 15 | | |
| III | Transportation model – North West Corner method, Least Cost Method, Vogel’s Approximation | | | | | | | | | | 15 | | |
| IV | Game Theory – Concepts – Maximin – Minimax – Saddle Point – Principles of Dominance | | | | | | | | | | 15 | | |
| V | Network Techniques- PERT and CPM – Evolution of network model –Network construction–Probability and PERT Network | | | | | | | | | | 13 | | |
|  | **Total** | | | | | | | | | | **75** | | |
| **Course Outcomes** | | | | | | | **Programme Outcome** | | | | | | |
| CO | On completion of this course, students will | | | | | |  | | | | | | |
| 1. | Formulate and solve problems as networks and graphs | | | | | | PO1, PO3 | | | | | | |
| 2. | Develop linear programming models | | | | | | PO2,PO3,PO5 | | | | | | |
| 3. | Learn cost effective solutions in transportation | | | | | | PO3,PO4 | | | | | | |
| 4. | Understand the concepts in Game theory | | | | | | PO3,PO4,PO5 | | | | | | |
| 5. | Know to construct Network techniques | | | | | | PO1,PO3,PO6 | | | | | | |
| **Text Book** | | | | | | | | | | | | | |
|  | Introduction to Operations Research,F S Hiller and G J Leiberman, 2017, 10th  Edition, McGraw Hill Education | | | | | | | | | | | | |
|  | Operations Research – An Introduction, H A Taha, 2019, 10th edition, Pearson Education | | | | | | | | | | | | |
|  | Operations Research, Gupta Prem Kumar and Hira D S, 2010, S Chand Publication | | | | | | | | | | | | |
|  | Operations Research Panneerselvam, 2016, PHI Publication | | | | | | | | | | | | |
|  | Operations Research: Principles and Practice, Ravindran,2007, Willey Publication, 2nd Edition | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | |
|  | Chiang, A.C., Fundamental Methods of Mathematical Economics, McGraw Hill Education, 4th Edition, 2005 | | | | | | | | | | | | |
|  | Dorfman, R., Samuelson, P. & Solow R, Linear Programming and Economic Analysis, Dover Publications, Revised Edition, 1987 | | | | | | | | | | | | |
|  | Levin, R.I & Kirkpatrick, C.A., Quantitative approaches to Management, McGraw Hill Inc., US, 6th Revised Edition, 1986 | | | | | | | | | | | | |
|  | P.L. Mehta, Managerial Economics, Sultan Chand and Sons, 2014. | | | | | | | | | | | | |
|  | S.R Yadav and A.K.Malik Operations Research Oxford University Press 2014 | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | |
| 1. | <https://smallbusiness.chron.com/importance-operations-research-decisionmaking-52346.html> | | | | | | | | | | | | |
| 2. | https://www.engineeringenotes.com/linear-programming/simplex-method-for-solution-of-l-p-p-with-examples-operation-research/15373 | | | | | | | | | | | | |
| 3. | https://www.wallstreetmojo.com/game-theory-2/ | | | | | | | | | | | | |
| 4. | https://www.brainkart.com/article/Linear-programming-problem\_37039/ | | | | | | | | | | | | |
| 5. | https://www.projectmanager.com/blog/pert-and-cpm | | | | | | | | | | | | |

**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-1**

**ELECTIVE VI - Principles of Management**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | **Credits** | **Inst. Hours** | | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Principles of Management** | Elective |  |  |  |  | 3 | 4 | | 25 | | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | | |
| 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** | **Details** | | | | | | | | | | **No. of Hours** | | |
| I | Introduction Management – Definition-scope – Schools of Thought in Management-Levels of Management-Role and Functions of a Manager | | | | | | | | | | 13 | | |
| II | Planning  Planning: Concept, Objectives, Nature, Limitation, Process of planning, Importance, Forms, Techniques and Process of decision making. | | | | | | | | | | 17 | | |
| III | **Organisational Levels**  Types of Business Organizations – Structure- Span of Control – Departmentalisation-Selection, Training and Development, Performance Management, Career Planning ,and Management | | | | | | | | | | 16 | | |
| IV | Directing  Creativity and Innovation – Motivation and Satisfaction – Organization Culture – Elements and Types of Culture – Managing Cultural Diversity. | | | | | | | | | | 14 | | |
| 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 Outcome** | | | | |
| CO | On completion of this course, students will | | | | | | | |  | | | | |
| 1. | Understand the foundations and importance of Management. | | | | | | | | PO1 | | | | |
| 2. | Demonstrate an understanding of Planning | | | | | | | | PO6, PO8 | | | | |
| 3. | Analyze the organisational levels and Process of selection | | | | | | | | PO2,PO3 | | | | |
| 4. | Discuss the relevance of Organizational Culture | | | | | | | | PO1,PO2,PO3 | | | | |
| 5. | Examine the importance of quality control | | | | | | | | PO1,PO2 | | | | |
| **Text Book** | | | | | | | | | | | | | |
|  | Stephen A. Robbins & David A. Decenzo & Mary Coulter, (2011) “Fundamentals of Management” 7th Edition, Pearson Education | | | | | | | | | | | | |
|  | Tripathy PC & Reddy PN,(1999) “Principles of Management”, Tata McGraw Hill. | | | | | | | | | | | | |
|  | Pillai R.S.N and Kala .S (2013) Principles And Practice Of Management S.Chand& Co and Company. | | | | | | | | | | | | |
|  | [Ricky Griffin](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsa2s2qeuQ01K8YGirtmWIrhBtoqag:1668333118478&q=inauthor:%22Ricky+Griffin%22&tbm=bks), Fundamentals of Management, [Cengage Learning](https://www.google.co.in/search?hl=en&q=inpublisher:%22Cengage+Learning%22&tbm=bks&sa=X&ved=2ahUKEwixuP2W8ar7AhVjwjgGHQMNDKYQmxMoAHoECCYQAg&sxsrf=ALiCzsa2s2qeuQ01K8YGirtmWIrhBtoqag:1668333118478), (2016) | | | | | | | | | | | | |
|  | [Pardeep Kumar and Amanjot Sachdeva](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsZypa27ld1P32edFk8xklViwA09qA:1668333397402&q=inauthor:%22Pardeep+Kumar+%7C+Amanjot+Sachdeva%22&tbm=bks), Fundamentals of Management ,[S. Chand Publishing](https://www.google.co.in/search?hl=en&gbpv=1&dq=fundamentals+of+management&printsec=frontcover&q=inpublisher:%22S.+Chand+Publishing%22&tbm=bks&sa=X&ved=2ahUKEwjP8f-b8qr7AhUDwjgGHdjeCwgQmxMoAHoECBsQAg&sxsrf=ALiCzsZypa27ld1P32edFk8xklViwA09qA:1668333397402), (2012) | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | |
|  | C.B. Gupta, Management Theory &Practice -Sultan Chand &Sons-New Delhi. | | | | | | | | | | | | |
|  | L.M. Prasad, Principles &Practice of Management-Sultan Chand &Sons-New Delhi 2021 | | | | | | | | | | | | |
|  | P.C. Tripathi &P.N Reddy, Principles of Managements-Tata McGraw Hill-NewDelhi. | | | | | | | | | | | | |
|  | Jayashankar Principles of Management Margham Publications 2022 | | | | | | | | | | | | |
|  | N.Premavathy, Principles of Management-Sri Vishnu Publications-Chennai. | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | |
| 1. | <https://www.cliffsnotes.com/study-guides/principles-of-management> | | | | | | | | | | | | |
| 2. | <https://study.sagepub.in/laasch_pm> | | | | | | | | | | | | |
| 3. | https://www.toolshero.com/management/posdcorb-theory/ | | | | | | | | | | | | |
| 4. | https://www.marketing91.com/span-of-control/ | | | | | | | | | | | | |
| 5. | https://www.taxmann.com/post/blog/controlling-a-function-of-management/ | | | | | | | | | | | | |

**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**

**THIRD YEAR – SEMESTER –VI**

**CORE XIII – TAMIL NADU ECONOMY**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **TAMIL NADU ECONOMY** | **Core** |  |  |  |  | | 4 | 6 | 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 development initiatives and schemes introduced | | | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | **No. of Hours** | | |
| I | Introduction  Tamil Nadu–Salient features–Geographical Features – Economic and Social Indicators –Human Development –Gender Disparity Index–Poverty Index –Work Participation Rate – Unemployment Rate – Literacy Rate– Life Expectancy – Demography and Occupational Patterns. | | | | | | | | | | 15 | | |
| II | Agriculture  Agriculture–Land Use Patterns– Cropping Pattern–Irrigation - Agricultural Marketing – Defects and Remedial measures – Agricultural Finance – Policy and Issues –Crop Insurance. | | | | | | | | | | 16 | | |
| III | Industry  Industrial Scenario in Tamil Nadu – Production Trends––Large Industries- MSMEs –Khadi and Village Industries –Major Industries - Industrial Financial Institutions: TIIC, SIDCO, SIPCOT- Industrial Estates-Industrail Corridors | | | | | | | | | | 14 | | |
| IV | State Finances and Development Initiatives  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-Naan Mudhalvan Scheme | | | | | | | | | | 15 | | |
| V | General Performance of the State  Tourism and Medical Tourism – Women Empowerment Programme: Pudhumai Penn – Self Help Groups and Micro Finance-Mahalir Thittam | | | | | | | | | | 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 | Understand 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](http://www.tn.gov.in) | | | | | | | | | | | | |
| 2. | http://tnenvis.nic.in/ | | | | | | | | | | | | |
| 3. | https://www.msmeonline.tn.gov.in/ | | | | | | | | | | | | |
| 4. | <https://ctd.tn.gov.in> | | | | | | | | | | | | |
| 5. | https://investingintamilnadu.com/DIGIGOV/TN-pages/why-tn.jsp?pagedisp=static | | | | | | | | | | | | |

**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**

**CORE XIV – INDUSTRIAL ECONOMICS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | | **INDUSTRIAL ECONOMICS** | Core |  |  |  |  | | 4 | 6 | 25 | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | | | | |
| C1 | To understand the nature and scope of Industrial Economics | | | | | | | | | | | | |
| C2 | To learn the various theories of Industrial Location | | | | | | | | | | | | |
| C3 | To understand the Industrial policies and Industrial licensing | | | | | | | | | | | | |
| C4 | To know the Industrial regions in the World and In India | | | | | | | | | | | | |
| C5 | To Know the trends and Prospects of Industrial growth in India | | | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | | | **No. of Hours** |
| I | **Unit –1 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. | | | | | | | | | | | | 16 |
| II | **Unit -2**  Theories of Industrial Location - Weber - Sargant Florence - Factors Affecting Location-Localization -Glocalization –Decentralization of Industries-Industrial Efficiency and Economic Efficiency- Measures of Concentration - Concentration ratio - Hirschman - Herfindahl index. | | | | | | | | | | | | 15 |
| III | **Unit -3**  Industrial Licensing – MRTP Act – Industrial Policies -Industrial Productivity -Capacity Utilization -Industrial Sickness- Mergers and Acquisitions – Profitability and Efficiency | | | | | | | | | | | | 14 |
| IV | **Unit -4**  Industrial Regions of the World and India -Industrial Clusters in India- Sunrise Sector- Regional Backwardness- Government Initiatives- | | | | | | | | | | | | 15 |
| V | **Unit -5**  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 Industrial Economics and the history of Industrial Revolution | | | | | | | PO1,PO3 | | | | | |
| 2. | Examine the concepts of Decentralisation of Industries and Measures of Concentration | | | | | | | PO1,PO2,PO6 | | | | | |
| 3. | Determine and analyse the Industrial Productivity and Profitability | | | | | | | PO1,PO2 | | | | | |
| 4. | Appraise the various government initiatives related to Industrial Development | | | | | | | PO3,PO5,PO6 | | | | | |
| 5. | Understand the trends of Indian Economic growth | | | | | | | PO1, PO8 | | | | | |
| **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. | Mani (2021) Industrial Economics, 1st Edition | | | | | | | | | | | | |
| 4. | Manoj Mishra (2018) Industrial Economics, 1st Edition, Kunal Books | | | | | | | | | | | | |
| 5. | Shreya Panwar (2023) Economic and Industrai Law, Thakur Publication Pvt. Ltd | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | |
| 1. | John Weiss (2011) The Economics of Industrial Development, Routledge | | | | | | | | | | | | |
| 2. | Rajesh Kumar R(2021)Industrial Economics and Foreign Trade Jyothis Publishers | | | | | | | | | | | | |
| 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. | Urjaswita Singh (2017) Industrial Economics Ayushman Publication House | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | |
| 1. | https://www.india.gov.in/topics/industries | | | | | | | | | | | | |
| 2. | <https://business.mapsofindia.com/india-industry/> | | | | | | | | | | | | |
| 3. | https://dpiit.gov.in/ | | | | | | | | | | | | |
| 4. | https://onlinelibrary.wiley.com/loi/14676451 | | | | | | | | | | | | |
| 5.. | https://www.studyingeconomics.ac.uk/module-options/industrial-economics/ | | | | | | | | | | | | |

**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**

**CORE XV - Entrepreneurial Development**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Entrepreneurial Development** | | Core |  |  |  |  | | 4 | 6 | 25 | | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | | | | |
| C1 | | To describe 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** | | **Details** | | | | | | | | | | **No. of Hours** | | | |
| I | | Introduction  Entrepreneurship: Meaning and Importance - Factors: Psychological, Social, Economic and Environmental - Characteristics of an Entrepreneur - Types of Entrepreneurs- New Generations of entrepreneurship - Barriers to entrepreneurship | | | | | | | | | | 16 | | | |
| II | | Entrepreneurial Motivation  Motivation: Meaning and Definition – Theories of Motivation: Maslow’s, Herzberg’s, McGregor’s and Achievement Theory - Culture & Society - Values / Ethics – Risk-taking behaviour | | | | | | | | | | 14 | | | |
| III | | Creativity and entrepreneurship  Steps in Creativity - Innovation and inventions - Skills of an Entrepreneur - Decision making and Problem Solving (Steps in Decision Making) | | | | | | | | | | 15 | | | |
| IV | | Sources of Finance  Sources of Finance: Long term Sources -Equity Shares, Preference Shares and debentures- IPO-SEBI- FDI- Institutional Finance | | | | | | | | | | 17 | | | |
| V | | Rules and Legislation  Industries Development (Regulations) Act, 1951 - Factories Act 1948 - Environment (Protection) Act, 1986 - Industrial Disputes Act 1947 | | | | | | | | | | 13 | | | |
|  | | **Total** | | | | | | | | | | **75** | | | |
| **Course Outcomes** | | | | | | | | **Programme Outcomes** | | | | | | | |
| CO | | On completion of this course, students will | | | | | |  | | | | | | | |
| 1. | | Explain the importance and factors influencing entrepreneurship | | | | | | PO1,PO2,PO3 | | | | | | | |
| 2. | | Understand and apply entrepreneurial theory using lean start-up principles. | | | | | | PO1,PO2 | | | | | | | |
| 3. | | Recognize and evaluate Creativity and entrepreneurship | | | | | | PO1, PO4,PO5 | | | | | | | |
| 4. | | Understand the Various sources of Finance available for entrepreneur | | | | | | PO1,PO2 | | | | | | | |
| 5. | | Know the Applicability of Legislation and Rules | | | | | | PO2,PO3,PO6 | | | | | | | |
| **Text Book** | | | | | | | | | | | | | | | |
| 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 | | Khanka, S. S. (2006). Entrepreneurial development. S. Chand Publishing. | | | | | | | | | | | | | |
| 4 | | Mohanty, S. K. (2005). Fundamentals of entrepreneurship. PHI Learning Pvt. Ltd.. | | | | | | | | | | | | | |
| 5 | | Kumar, S. A. (2008). Entrepreneurship development. New Age International. | | | | | | | | | | | | | |
| **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/ | | | | | | | | | | | | | |

**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 | 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 | 14 | 15 | 14 | 15 | 15 | 14 | 14 | 15 |
| Weighted percentage of course contribution to POS | 2.8 | 3.0 | 2.8 | 3.0 | 2.8 | 2.8 | 2.8 | 3.00 |

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

**ELECTIVE VII – MANAGERIAL ECONOMICS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | MANAGERIAL ECONOMICS | **Elective** |  |  |  |  | | 3 | 5 | 25 | | 75 | 100 |
| **Learning Objectives** | | | | | | | | | | | | | |
| C1 | To understand the importance of Managerial Economics | | | | | | | | | | | | |
| C2 | To learn the types of demand for goods | | | | | | | | | | | | |
| C3 | To understand the pricing policies adopted by businesses | | | | | | | | | | | | |
| C4 | To know the need for budgeting capital | | | | | | | | | | | | |
| C5 | To Know the sources of capital for a business | | | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | **No. of Hours** | | |
| I | Introduction  Nature and Scope of Managerial Economics - Meaning - Characteristics– Importance–Role and Responsibilities of Managerial Economist – Basic Economic Tools in Managerial Economics. | | | | | | | | | | 15 | | |
| II | Demand, Cost and Profit Analysis  Demand for Durable and Non-Durable Products, Demand Forecasting Techniques -Statistical and Non-Statistical Techniques -Cost Estimation - Cost-Volume-Profit Analysis (Break Even Analysis)- Objectives and Assumptions; Determination of Break Even Point, Limitations | | | | | | | | | | 15 | | |
| III | Pricing Policies and Practices  Objectives - Popular Pricing Methods and Strategies- Price Discounts and Differentials- Pricing by Manufacturers and Retailers- Price Forecasting. | | | | | | | | | | 12 | | |
| IV | Capital Budgeting  Capital Budgeting: Need for capital budgeting- Different steps in Capital Budgeting- - Appraisal Methods – Payback Method, Accounting Rate of Return, Net Present Value method, Internal Rate of Return Method, Cost–Benefit Method - Capital Rationing. | | | | | | | | | | 18 | | |
| V | Cost of Capital  Sources of Funds for Long Term Financing-Cost of Debt Capital -Cost of Preferred Stock -Cost of Equity Capital or Common Stock-Cost of Retained Earnings. | | | | | | | | | | 15 | | |
|  | **Total** | | | | | | | | | | **75** | | |
| **Course Outcomes** | | | | | | | **Programme Outcomes** | | | | | | |
| CO | On completion of this course, students will | | | | | |  | | | | | | |
| 1 | Understand the Micro Economic Principles and applying it in Business Decision. | | | | | | PO1,PO2 | | | | | | |
| 2 | Examine the concepts of Demand, Cost and Profit | | | | | | PO1,PO2 | | | | | | |
| 3 | Determine and analyse the various Pricing Techniques. | | | | | | PO2, PO3 | | | | | | |
| 4 | Appraise the Project Proposals | | | | | | PO4,PO3 | | | | | | |
| 5 | Understand the sources of Finance for Business. | | | | | | PO2, PO3 | | | | | | |
| **Textbooks** | | | | | | | | | | | | | |
| 1 | Varshney R.L., and Maheshwari K.L. (1997), Managerial Economics, Sultan Chand, N Delhi | | | | | | | | | | | | |
| 2 | Mehta P.L (1997), Managerial Economics, Sultan Chand, New Delhi. | | | | | | | | | | | | |
| 3 | [William F. Samuelson](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsZgR1IYyOsmsNG6KfFoWu4F9SGIhg:1668344863926&q=inauthor:%22William+F.+Samuelson%22&tbm=bks), [Stephen G. Marks](https://www.google.co.in/search?hl=en&sxsrf=ALiCzsZgR1IYyOsmsNG6KfFoWu4F9SGIhg:1668344863926&q=inauthor:%22Stephen+G.+Marks%22&tbm=bks), “Managerial Economics”, Wiley,2014 | | | | | | | | | | | | |
| 4 | Michael R Baye, Managerial Economics & Business Strategy – Mc. Graw Hill, USA, 5th Edition 2006. | | | | | | | | | | | | |
| 5 | Yogesh, Maheshwari, Managerial Economics, PHI Learning PvtLtd,2013 | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | |
| 1. | Dominic Salvatore, (1993), Managerial Economics, McGraw Hill Inc, New York | | | | | | | | | | | | |
| 2. | Ahuja. H. L. (2004), Business Economics, S. Chand & Co, New Delhi. | | | | | | | | | | | | |
| 3. | L. Trivedi (2002), Managerial Economics: Theory and Applications Tata McGraw Hill. | | | | | | | | | | | | |
| 4. | Dwivedi D.N (2000), Managerial Economics, Vikas Publishing House Pvt Ltd | | | | | | | | | | | | |
| 5. | Gregory Mankiw(2008) Economics: Principles and Applications, New Delhi, Cengage Learning India. | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | |
| 1. | <http://economics.about.com/od/pricing> | | | | | | | | | | | | |
| 2. | [www.rbi.org](http://www.rbi.org) | | | | | | | | | | | | |
| 3. | <https://nptel.ac.in/courses/110101005> | | | | | | | | | | | | |
| 4. | <https://www.managementstudyguide.com/managerial-economics> | | | | | | | | | | | | |
| 5. | <https://hbr.org/1976/11/pricing-policies-for-new-products> | | | | | | | | | | | | |

**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 | 3 | 3 | 3 |
| **CO 5** | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| Weightage | 15 | 14 | 15 | 14 | 15 | 15 | 14 | 15 |
| Weighted percentage of course contribution to POS | 3.0 | 2.8 | 3.0 | 2.8 | 2.8 | 3.0 | 2.8 | 3.00 |

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

**ELECTIVE VIII - Marketing**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | | **Subject Name** | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | | **Marketing** | Elective |  |  |  |  | | 3 | 5 | 25 | | 75 | 100 |
| **Course Objective** | | | | | | | | | | | | | | |
| C1 | To assess the nature and scope of marketing and its functions | | | | | | | | | | | | | |
| C2 | To understand the buying behavior and market segmentation with consumer protection act | | | | | | | | | | | | | |
| C3 | To know the product, pricing decisions and pricing of new products | | | | | | | | | | | | | |
| C4 | To reveals the distribution and promotions decisions its types and methods | | | | | | | | | | | | | |
| C5 | To analyse the marketing technique and marketing services | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | | | | | **No. of Hours** | | |
| I | Introduction  Marketing: Definition, Nature and Scope – Marketing Functions– Modern Concept of Marketing– Classification of Markets – Buying – Transportation – Warehousing – Standardization – Grading. | | | | | | | | | | | 13 | | |
| II | Buying Behaviour and Market Segmentation  Buying Behaviour– Classification - Buying Decision Process– Buying Motives - Market Segmentation: Concept and Methods - Product Differentiation Vs. Market Segmentation - Marketing Mix | | | | | | | | | | | 17 | | |
| III | Product and Pricing Decisions  Product: Meaning and Classification - Product Mix –Branding- Brand Decisions – Packaging and Labelling – Product Support - Product Life Cycle - New Product Development -Pricing Objectives - Pricing Policies and Strategies – Pricing of New Products | | | | | | | | | | | 18 | | |
| IV | Distribution and Promotion Decisions  Channels of Distribution: Meaning and Importance - Wholesaling and Retailing – Promotional Methods – Promotion Mix – Advertising: Objectives, Characteristics and Types of Advertising Mediums - Publicity – Personal Selling: Importance and Process - Sales Promotion and Distinctive Characteristics. | | | | | | | | | | | 15 | | |
| V | Modern Marketing Techniques  Modern Marketing-– Direct Marketing– Social Marketing- Relationship Marketing– E- Marketing - Green Marketing – Marketing of Industrial and Consumer Products –Marketing of Services – Marketing of Agricultural Products –Market Information System (MIS). | | | | | | | | | | | 12 | | |
|  | **Total** | | | | | | | | | | |  | | |
| **Course Outcomes** | | | | | | | | **Programme Outcomes** | | | | | | |
| CO | | On completion of this course, students will | | | | | |  | | | | | | |
| 1. | | Understand the Classification of Markets and Marketing Functions | | | | | | PO1,PO2 | | | | | | |
| 2. | | Analyze the functions of marketing, exchange and physical distribution | | | | | | PO2,PO3 | | | | | | |
| 3. | | Understand the concept of Product life cycle, Product planning and development, Wholesaling, Retailing, Sales promotion and their distinctive characteristics. | | | | | | PO1,PO2 | | | | | | |
| 4. | | Describe the Channel of Distribution, Classification of marketing of manufactured consumer and industrial goods. | | | | | | PO1,PO2 | | | | | | |
| 5. | | Evaluate the concepts of Regulated and Organized markets and to analyze the marketing strategies for agricultural products. | | | | | | PO1, PO2,PO3 | | | | | | |
| **Text Book** | | | | | | | | | | | | | | |
|  | | Dr.Rajan Nair.(2020) ,Marketing, Sultan Chand and Sons. | | | | | | | | | | | | |
|  | | Philip Kotler, (2016), Marketing: An Introduction, Asia Pacific Holding Private Limited | | | | | | | | | | | | |
|  | | Karunakaran K (2011) Marketing Management (Text and Cases in Indian Context), Himalaya Publishing House Mumbai | | | | | | | | | | | | |
|  | | Seema Gupta (2022) Digital Marketing 3rd Edition McGraw Hill | | | | | | | | | | | | |
|  | | [Gary M. Armstrong](https://www.google.co.in/search?hl=en&q=inauthor:%22Gary+M.+Armstrong%22&tbm=bks&sa=X&ved=2ahUKEwiou7Loh6v7AhWR8DgGHZW7BVoQmxMoAHoECBEQAg&sxsrf=ALiCzsYeVHuH2LC7PkTA35Yc1Ao4oKTRzw:1668339194916), [Stewart Adam](https://www.google.co.in/search?hl=en&q=inauthor:%22Stewart+Adam%22&tbm=bks&sa=X&ved=2ahUKEwiou7Loh6v7AhWR8DgGHZW7BVoQmxMoAXoECBEQAw&sxsrf=ALiCzsYeVHuH2LC7PkTA35Yc1Ao4oKTRzw:1668339194916), [Sara Marion Denize](https://www.google.co.in/search?hl=en&q=inauthor:%22Sara+Marion+Denize%22&tbm=bks&sa=X&ved=2ahUKEwiou7Loh6v7AhWR8DgGHZW7BVoQmxMoAnoECBEQBA&sxsrf=ALiCzsYeVHuH2LC7PkTA35Yc1Ao4oKTRzw:1668339194916), [Michael Volkov](https://www.google.co.in/search?hl=en&q=inauthor:%22Michael+Volkov%22&tbm=bks&sa=X&ved=2ahUKEwiou7Loh6v7AhWR8DgGHZW7BVoQmxMoA3oECBEQBQ&sxsrf=ALiCzsYeVHuH2LC7PkTA35Yc1Ao4oKTRzw:1668339194916), [Philip Kotler](https://www.google.co.in/search?hl=en&q=inauthor:%22Philip+Kotler%22&tbm=bks&sa=X&ved=2ahUKEwiou7Loh6v7AhWR8DgGHZW7BVoQmxMoBHoECBEQBg&sxsrf=ALiCzsYeVHuH2LC7PkTA35Yc1Ao4oKTRzw:1668339194916), “Principles of Marketing”, Pearson, 2017 | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | | |
| 1. | | R.S.N.Pillai and Bagavathi “Modern Marketing-Principles and Practices – S. Chand & Sons. | | | | | | | | | | | | |
| 2. | | Philip Kotler and Kevin Lane Keller “ Marketing management” – Pearson , 15thEdn., 2012 | | | | | | | | | | | | |
| 3. | | Rajan Saxena, “ Marketing Management” – Mc Graw Hill Education Pvt. Ltd., 2017 | | | | | | | | | | | | |
| 4. | | Rajan Nair, “Marketing”, Sultan Chand and Sons, 2019 | | | | | | | | | | | | |
| 5. | | C.B. Mamoria, Pradeep Jain, Prith Mitra, “Theory and Practice of Marketing” Kitab Mahal Publishers, 2013 | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | | |
| 1. | | <https://marketingland.com> | | | | | | | | | | | | |
| 2. | | <https://www.worldsupporter.org/en/chapter/41634-summary-principles-marketing-kotler> | | | | | | | | | | | | |
| 3. | | <https://agricoop.nic.in/sites/default/files/overview.pdf> | | | | | | | | | | | | |
| 4. | | https://in.indeed.com/career-advice/career-development/motivation-theories | | | | | | | | | | | | |
| 5. | | https://learnthat.com/tag/entrepreneurship/ | | | | | | | | | | | | |

**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 | 3.8 | 2.8 | 2.8 | 3.00 |

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

**PROFESSIONAL COMPETENCY SKILL – EMPLOYABILITY SKILLS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | | **Subject Name** | | **Category** | **L** | **T** | **P** | **S** | | **Credits** | **Inst. Hours** | **Marks** | | | |
| **CIA** | **External** | **Total** | |
|  | | Employability Skills | | **Professional Competency Skill** |  |  |  |  | | 2 | 2 | 25 | 75 | 100 | |
| **Learning Objectives** | | | | | | | | | | | | | | | |
| C1 | To provide an overview of the relevance of Numerical ability | | | | | | | | | | | | | | |
| C2 | To gain knowledge on the reasoning ability | | | | | | | | | | | | | | |
| C3 | To gain knowledge on English grammar and vocabulary | | | | | | | | | | | | | | |
| C4 | To understand the importance of resume preparation | | | | | | | | | | | | | | |
| C5 | To evaluate one’s ability to face interviews and personal grooming | | | | | | | | | | | | | | |
| **UNIT** | **Contents** | | | | | | | | | | | | | | **No. of Hours** |
| I | **Numerical Ability**  Percentages –Ratio and Proportions- Simple Interest – Compound Interest –Profit and Loss | | | | | | | | | | | | | | **18** |
| II | **Reasoning Ability**  Permutations and Combinations-Number Series – Seating Arrangements – Blood Relations | | | | | | | | | | | | | | **16** |
| III | **English**  Comprehension-Vocabulary- Fill in the blanks – Sentence Completion | | | | | | | | | | | | | | **15** |
| IV | **Resume Preparation**  Biodata – Curriculum Vitae -Resume -Types of Resume- Resume Preparation | | | | | | | | | | | | | | **12** |
| V | **Interview Preparation**  Interview Preparation – Research on the Organization – Do’s and Don’ts in an Interview- Common Questions and Responses- Personal Grooming | | | | | | | | | | | | | | **14** |
|  | **Total** | | | | | | | | | | | | | | **75** |
| **Course Outcomes** | | | | | | | | | **Programme Outcomes** | | | | | | |
| CO | | | On completion of this course, students will | | | | | |  | | | | | | |
| 1. | | | Understand the importance of numerical ability in competitive exams | | | | | | PO1, PO3,PO6 | | | | | | |
| 2. | | | Gain knowledge on the Permutation and Combinations | | | | | | PO2,PO5,PO6 | | | | | | |
| 3. | | | Attempt questions on English comprehension | | | | | | PO1,PO2 | | | | | | |
| 4. | | | Know how to develop resume and the type of skills to be added | | | | | | PO1,PO3,PO5,PO8 | | | | | | |
| 5. | | | Understand the questions that is posed in interviews | | | | | | PO3,PO6,PO8 | | | | | | |
| **Text Books** | | | | | | | | | | | | | | | |
|  | | | Srishti Agarwal (2021) Employability Skills Year 1&2, First Edition | | | | | | | | | | | | |
|  | | | Dr. S.K. Singh (2015) Employability Skills-II, First Edition - 1 January 2015 | | | | | | | | | | | | |
|  | | | Manish Sharma (2021) Employability Skills - I & II, 1st Edition | | | | | | | | | | | | |
|  | | | Sabina Pillai and Agna Fernandez (2017) Soft Skills and Employability Skills | | | | | | | | | | | | |
|  | | | Mehta & Gupta (2016) Employability Skills, Dhanpat Raj Publication | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | | | |
| 1. | | | Subhas Kapil Dev (2013) A Text Book Of Employability Skills | | | | | | | | | | | | |
| 2. | | | M.S. Rao and Marshall Goldsmith (2021) Soft skills enhancing employability skills, Dreamtech Press | | | | | | | | | | | | |
| 3. | | | A Modern Apporach to Verbal and Non-Verbal (2018) R.S.Aggarwal, 4th Edition, S. Chand Competition | | | | | | | | | | | | |
| 4. | | | Quantitative Aptitude (2021) R.S.Aggarwal, Revised Edition, S. Chand Competition | | | | | | | | | | | | |
| 5. | | | Kiran (2021) Mathematics, Revised Edition, Kiran Prakashan Publication | | | | | | | | | | | | |
| **Web Resources** | | | | | | | | | | | | | | | |
| 1. | | | https://www.assessmentday.co.uk/aptitudetests\_numerical.htm | | | | | | | | | | | | |
| 2. | | | https://www.aptitudetests.org/numerical-reasoning-test/ | | | | | | | | | | | | |
| 3. | | | https://www.elmhurst.edu/wp-content/uploads/2017/10/Elmhurst-College-Writing-An-Effective-Resume.pdf | | | | | | | | | | | | |
| 4. | | | https://www.sa.edu/wp-content/uploads/2019/09/resume-notes.pdf | | | | | | | | | | | | |
| 5. | | | https://www.gktoday.in/quizbase/quantitative-aptitude | | | | | | | | | | | | |

**Mapping with Programme Outcomes:**

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

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