**19SH2202 - ENGINEERING ECONOMICS AND FINANCIAL ACCOUNTING**

**(Common to CE & CSE)**

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| **Course Category** | Humanities and Social Sciences | **Credits** | 2 |
| **Course Type** | Theory | **Lecture - Tutorial -Practical** | 2 - 0-0 |
| **Prerequisite** | None | **Sessional Evaluation** | 40 |
| **Semester End Exam Evaluation** | 60 |
| **Total Marks** | 100 |

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| **Course Objectives** | Students undergoing this course are expected tounderstand:   1. Causes of economic problems. 2. Behaviour of a Consumer while purchasing and consuming various commodities and services 3. Various production and cost concepts used in managerial decision making process 4. Formation of different types of business organizations in India. 5. Application of the basic accounting concepts | |
| **Course Outcomes** | CO1 | Demonstrate an ability to define, analyze and identify the appropriate solution to a business problem using sound economic and accounting principles. |
| CO2 | Know the role of various cost concepts in managerial decisions and the managerial uses of production function. |
| CO3 | Understand to take price and output decisions under various market structures. |
| CO4 | Know in brief formalities to be fulfilled to start a business organization. |
| CO5 | Analyse the firm’s financial position with the techniques of economic aspects as well as financial analysis. |
| CO6 | Evaluate and select profitable investment proposals |
| **Course Content** | **UNIT – I**  **INTRODUCTION TO ECONOMICS**: Definition of Economics and basic concepts of Micro and Macro-economics. The concept of Demand-Law of demand – Elasticity of Demand: Types and measurement-Demand Forecasting-Methods of Demand Forecasting.  **UNIT – II**  **THEORY OF PRODUCTION AND COST**: Production function – Cobb – Douglas production function and its properties – Law of variable proportions – Law of Returns to Scale. Cost concepts – Cost- Out put relations in short run long run- Revenue curves – Break-Even Analysis.  **UNIT – III**  **THEORY OF PRICING**: Classification of markets – Pricing under perfect Competition – Pricing under Monopoly – Price discrimination – Monopolistic Competition.  **UNIT – IV**  **TYPES OF BUSINESS ORGANIZATIONS:** Sole proprietorship, partnership and Joint Stock Company – Shares and debentures.  **BANKING SYSTEM**: Central bank, Commercial banks and their functions. Impact of technology in banking sector.  **UNIT – V**  **FINANCIAL ACCOUNTING**: Concepts and principles, Journal and Ledger, Trial Balance, Final Accounts: Trading account, Profit and Loss account and Balance sheet (Simple Final account problems without adjustments).  **UNIT-VI**  **FUNDAMENTAL CONCEPTS OF CAPITAL AND CAPITAL BUDGETING:**Factors and Sources of Capital **-**Meaning, process and Methods Capital budgeting (Payback period, NPV, ARR & IRR- simple problems). | |
| **Textbooks**  **& Reference books** | **TEXT BOOKS:**   1. Varshney&Maheswari: *Managerial Economics*, S. Chand Publishers. 2. C.B.Gupta,*Business Organizations*, S.Chand Publishers 3. A.R.Arya Sri,*Managerial Economics and Financial Accounting*, Tata McGraw Hill publishers.   **REFERENCE BOOKS:**   1. S.Sankaran,*Economic Analysis*, Margham Publications. 2. S.N.Maheswariand S.K. Maheswari, *Financial Accounting*, Vikas Publishers. 3. S. A. Siddiqui and A. S. Siddiqui, *Managerial Economics & Financial Analysis*, New age International Space Publications. | |

**CO-PO Mapping:**3-High Mapping, 2-Moderate Mapping, 1-Low Mapping, - -Not Mapping

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|  | **a** | **b** | **c** | **d** | **e** | **f** | **g** | **h** | **i** | **j** | **k** | **l** |
| **CO1** | - | - | - | - | - | - | - | 1 | - | - | - | 2 |
| **CO2** | - | - | - | - | - | - | - | - | - | - | - | 1 |
| **CO3** | - | - | - | - | - | - | - | 1 | - | - | - | 1 |
| **CO4** | - | - | - | - | - | - | - | - | - | - | - | 1 |
| **CO5** | - | - | - | - | - | - | - | - | - | - | 3 | 1 |
| **CO6** | - | - | - | - | - | - | - | - | - | - | 3 | 1 |