

**VASAVI COLLEGE OF ENGINEERING
DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES**

**SYLLABUS FOR B.E
ECONOMICS AND FINANCE FOR ENGINEERS**

Instruction: 2 Hrs/week	SEE Marks: 60	Course Code: U21HS010EH
Credits: 2	CIE Marks:40	SEE: 3 hrs.

Instruction: 2 Hrs/week	SEE Marks: 60	Course Code: U20HS040EH
Credits: 2	CIE Marks:40	SEE: 3 hrs.

2021-2022		2022-2023	
COURSE OBJECTIVES	<u>Course Outcomes</u>	COURSE OBJECTIVES	<u>Course Outcomes</u>
<p>The objective of the Course is to equip the prospective engineers with the concepts and tools of economics, finance, cost and taxes that facilitate business decisions.</p>	<ol style="list-style-type: none"> 1. Enable students to identify the essential components of demand and supply to decide upon the production quantities. 2. Facilitate in deciding an appropriate price through the identification of the areas of cost control. 3. Make better investment decisions both in short and long run by understanding the financial viability of given investment proposals in the wake of limited resources. 4. Analyze the given financial statements of a firm to understand the past performance and to make decisions for future. 5. Identify the impact of the new tax policies on the company's financial structure/ individuals' incomes. 	<p>The objective of the Course is to equip the prospective engineers with the concepts and tools of economics, finance, cost and taxes that facilitate decisions at the work place.</p>	<ol style="list-style-type: none"> 1. Enable students to identify the essential components of demand and supply to decide upon the production quantities. 2. Facilitate in deciding an appropriate price through the identification of the areas of cost control. 3. Make better investment decisions both in short and long run by understanding the financial viability of given investment proposals in the wake of limited resources and manage routine business financial requirements. 4. Analyze the given financial statements of a firm to understand the past performance and to make decisions for future. 5. Identify the impact of the new tax policies on the company's financial structure/ individuals' incomes.

2021-2022	2022-2023
<p>Unit I: Basics of Economics: Scarcity Definition of Economics - Macro and Micro Economics -Managerial Economics - Meaning of a Firm - Objectives of a Firm - Demand Concept and Law of Demand - Price Elasticity of Demand (types), Income elasticity - cross elasticity - advertising elasticity - Meaning of Supply - Equilibrium Price and Quantity - Production - Cobb Douglas Production Function - Economies of Scale. (Simple problems on computation of elasticity)</p> <p>Unit II: Cost and Price: Cost - Meaning - Classification of Costs - Short run and Long run costs - Cost Sheet - Break even Analysis - Methods of Pricing (Problems on Cost Sheet, Breakeven Analysis and simple problems on Methods of Pricing can be asked).</p> <p>Unit III: Sources and uses of Finance: Capital Budgeting -Discounting and Non discounting Techniques (including simple problems) - Working Capital Management - Concepts and Components of Working Capital - determinants of working capital - Operating Cycle - estimation of working capital – sources of finance (long term and short term).</p> <p>UNIT IV: Understanding Financial Statements: Financial Statements- Meaning - Types - Purpose - Ratios (Liquidity, Solvency, activity & Profitability Ratios including problems)</p> <p>Unit V: Direct & Indirect Taxes: Income tax - Heads of Income - Income from Salaries - Income from House Property - Income from Business - Income from Capital Gains -Income from Other Sources – old and new regime tax rates and calculation of tax - Latest Tax Rates - GST -CGST - SGST - IGST - GST network.</p>	<p>Unit I: Basics of Economics: Scarcity Definition of Economics and its criticisms - Macro and Micro Economics -Managerial Economics - Nature and Scope of Managerial Economics - Meaning of a Firm and Industry - Demand concept and its determinants - Law of Demand with its assumptions and exceptions - Price elasticity of demand and its types, Income elasticity - Cross elasticity - Advertising elasticity - Meaning of Supply - Equilibrium Price and Quantity - Production - Meaning of Production and Production function - Types of Production function - Economies of Scale. (Simple problems on computation of Price elasticity)</p> <p>Unit II: Cost and Price: Cost - Meaning - Types of Costs - Cost Sheet - Break-even Analysis - Methods of Pricing (Problems on Cost Sheet and Breakeven Analysis can be asked).</p> <p>Unit III: Sources and uses of Finance: Capital Budgeting - Discounting and Non-discounting Techniques (including simple problems) - Working Capital Management - Concepts and Components of Working Capital - Determinants of working capital - Sources of finance (long term and short term).</p> <p>UNIT IV: Understanding Financial Statements: Financial Statements - Meaning - Types - Purpose - Ratios (Liquidity, Solvency, activity & Profitability Ratios including problems)</p> <p>Unit V: Direct & Indirect Taxes: Income tax - Heads of Income - Income from Salaries - Income from House Property - Income from Business or Profession - Income from Capital Gains - Income from Other Sources - Old and New regime tax rates and calculation of tax(Latest Tax Rates) - GST - Introduction to GST - CGST - SGST – IGST (Simple problems on Computation of Salaries and House property and Final tax computation)</p>

Red – Deleted

Bold - Changes

Learning Resources :

1. S.P.Jain and K.L.Narang., "Cost Accounting", Kalyani Publishers, Twentieth Edition Revised– 2008.
2. S.P.Jain and K.L.Narang., "Financial Accounting", Kalyani Publishers –2002.
3. Mehta P.L., "Managerial Economics: Analysis, Problems and Cases", Thirteenth Edition, Sultan Chand and Sons, Nineteenth Edition - 2013.
4. M.Y.Khan and P.K. Jain., "Financial Management – Text, Problems and Cases", Mc Graw Hill Education Private Limited, New Delhi.
5. Vinod K Singhanian and Kapil Singhanian., "Direct Taxes Law and Practice", Taxmann Publications, Sixtieth Edition - 2018.
6. Dr, Vinod K Singhanian., "Students' Guide to GST and Customs Law", Taxmann Publications, Edition - 2018.
7. Muralidharan., "Modern Banking", Prentice Hall of India.
8. Narayana swamy, "Financial Accounting: A Managerial Perspective"
Prentice Hall India

Reference Books:

1. M. L. Seth., "Micro Economics", Lakshmi Narain Agarwal.
2. Dr. R.P. Rustagi., "Fundamentals of Financial Management" Taxmann Publications.
3. Dr. D.M. Mithani, "Money Banking International Trade & Public Finance", Himalaya Publishing House - 2014.
4. Rajesh., "Banking Theory and Practice", Tata Mc Graw Hill Publishing


The break-up of CIE: Internal Tests + Assignments + Quizzes


1	No. of Internal tests	:	<input type="text" value="2"/>	Max. Marks	:	<input type="text" value="30"/>
2	No. of assignments	:	<input type="text" value="3"/>	Max. Marks	:	<input type="text" value="5"/>
3	No. of Quizzes	:	<input type="text" value="3"/>	Max. Marks	:	<input type="text" value="5"/>

Duration of Internal Tests : 90 Minutes

BoS Signatures:

Ms. Jacqueline Amaral
Chairman- BoS Dept.of H&SS


M.Jyothi (Asst.Prof)
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