GIET UNIVERSITY, GUNUPUR – 765022

B. Tech (Fourth Semester Regular) Examinations, May – 2024

22BCVHS24001– Economics for Engineers

(Civil)

Time: 3 hrs   Maximum: 70 Marks

(The figures in the right hand margin indicate marks)

PART – A   (2 x 5 = 10 Marks)

Q.1. Answer **ALL** questions

		CO #	Blooms Level
a.	Differentiate between Micro economics and macroeconomics	CO1	K4
b.	Explain the concepts of Giffen paradox	CO1	K2
c.	Define the terms 'Depletion' and 'obsolescence' of an asset	CO2	K1
d.	Distinguish between annuity due and deferred annuity	CO3	K4
e.	Define per capita income	CO4	K1

PART – B   (15 x 4 = 60 Marks)

Answer ALL questions

		Marks	CO #	Blooms Level
2. a.	Explicate the concept of Law of variable proportion with an example.	7	CO1	K2
b.	Briefly Explain the degrees of elasticity of demand ?	8	CO1	K2
	(OR)			
c.	Describe the method of measuring price elasticity of demand. A consumer spends Rs. 80 on a commodity when price is Rs 1 per unit. If the price increases by 1, what would be his expenditure. If Price elasticity Demand = -0.4?	8	CO1	K5
d.	Describe the features of perfect competition and imperfect competition market ?	7	CO1	K2
3.a.	From the following particulars of The Bangalore Ltd. supplies prepare a statement in such from as you consider most suitable for showing clearly all element of cost:	10	CO2	K5

Stock of raw materials on 1st Sept., 2013	75,000	Purchase of raw material	66,000
Stock of raw materials on 30th Sept., 2013	91,500	Factory rent	15,000
		Depreciation of plant and machinery	3,500
Direct wages	52,500	Expenses on purchases	1,500
Indirect wages	2,750	Carriage outward	2,500
Sales	2,00,000	Advertising	3,500
Work-in-progress on 1st Sept., 2013	28,000	Office rent and taxes	2,500
Work-in-progress on 30th Sept., 2013	35,000		
Travellers' wages and commission	6,500		
Stock of finished goods on 1st Sept., 2013	54,000		
Stock of finished goods on 30th Sept., 2013	31,000		

b. From the following information calculate 5 CO2 K5
  (i) P/V RATIO
  (ii) (ii) FIXED COST
  (iii) (iii) BES

YEAR	Sales	cost	profit
2010	1,20,000	1,11,000	9,000
2011	1,40,000	1,27,000	13,000

(OR)

c. Explain breakeven analysis? Explain with graph by using assumed figures. 8 C02 K2

d. Explain the straight line method of depreciation? 7 CO2 K2
Calculate depreciation and book value of an asset for the first 5 years from the following information under straight line method of depreciation: Cost of asset on zero period is Rs1,90,000. Salvage value is Rs 10,000 at the end of it working life of 9 years.

4.a. From the following information test the feasibility of the project by using NPV method where i=6.5% compounded annually. 8 CO3 K5

N	0	1	2	3	4	5
CASH FLOW	-30,000	3,000	8,000	8,000	8,000	5,000

Write advantage and disadvantage of NPV

b. A person is planning for retirement. he has 8 more years of service. He would to deposit 18% of his salary, which is Rs 15,000 at the end of first year & there after he wishes to deposit the same amount with an annual increase at Rs 2000 for 7 years with an interest rate of 10%.find the total amount at the end of 8th year? 7 CO3 K5

(OR)

c. Explain the application of uniform payment series capital recover amount factor with an example. 8 CO3 K2

d. Narrate cash flows and cash flow diagram and their components and types. 7 CO3 K2

5.a. Describe the agency and general utility functions of bank. 7 CO4 K2
b. Elaborate the measures of control inflation. 8 CO4 K2

(OR)

c. Explain the different concepts of national income. 8 CO4 K2

d. Elaborate the components of Indian financial system. 7 CO4 K2

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