QP Cod		Reg. No										AY 21	/ AY 22
GIET UNIVERSITY, GUNUPUR – 765022 B. Tech (Third Semester) Examinations, December – 2023													
21BHSHS20002 – Engineering Economics and Costing													
(CSE,CSE(DS))													
Time: 3 hrs Maximum: 70 Marks   (The figures in the right hand margin indicate marks)													
PART – A				)	(2 x 5 = 10 Marks)								
Q.1. A	answer ALL questions											CO #	Blooms Level
a. N	ame the three basic prob	lems of ec	onom	у.								CO1	K2
b. W	b. What is elasticity of demand? State the factors determinants of elasticity of deman							mand	•	CO1	K2		
c. D	efine P/V ratio.											CO2	K3
d. Differentiate between Revenue dominant cash flow and cost dominant cash flow diagram.							low		CO3	K3			
e. W	/hich institution is regard	ed as the l	ender	of last	resort	t? Wh	y? Ex	plain.				CO4	K3
PART – B							(15 x 4 = 60 Marks)						
Answer ALL questions					Marks	CO #	Blooms Level						
2. a.	Yesterday, the price of	envelopes	was	Rs.3 a	a box,	and I	Mr.J v	was w	villing	to	7	CO1	K6
	buy 10 boxes. Today, the	he price ha	as gon	e up t	o Rs.3	8.75 a	box,	and h	e is no	OW			
	willing to buy 8 boxes.	Is demand	l for e	nvelo	pes ela	astic o	r inel	astic?	What	is			
	Mr. J elasticity of dema	nd?											
b.	What is engineering economics.	economic	s? D	escrib	e the	natu	ire of	f eng	gineeri	ng	8	CO1	K1
		()	OR)										
c.	If the price of pen decr pens increases from 40					-		•		for	7	CO1	K6
d.	What is production function? differentiate between short run and long run production function.								un	8	CO1	K1	
3.a.	From the following info	ormation c	alculat	te: (i)	P/V ra	tio, (ii	i) Fixe	ed cos	t and		7	CO2	K6
	(iii) Breakeven point (sa	les value)											
	Year Sales Profit												
	2021 Rs.1,00,000 Rs. 8,	000											
	2022 Rs.1,40,000 Rs.1,0												
b.	What is cost sheet? Con		nagina	ary co	st shee	et.					8	CO2	K3
		((	OR)										

c.	Calculate P/V ratio, BEP (sales value), Profit for a Sales of Rs. 80,000	7	CO2	K6
	Year: 2019 2020			
	Sales: Rs.1,00,000 Rs.1,25,000			
	Profit: Rs. 12,000 Rs. 17,000			
d.	"Industry is the price maker but firm is the price taker". Justify your answer.	8	CO2	K3
4.a.	What is nominal rate of interest and effective rate of interest? Explain with examples?	7	CO3	K3
b.	Mr kiran Kumar taken a study loan of Rs 4,00,000 from a bank at an interest	8	CO3	K5
	of Rs14% compounded annually on 1st January 2011. He wants to repay the			
	same in 10 equal annual instalments payable at the end of each year from the			
	1st year onwards. What amount of money should he pay for each instalment?			
	(OR)			
c.	Explain the application of uniform payment series capital recover amount	7	CO3	K3
	factor with an example.			
d.	A working woman is planning for her retired life. She has 20 more years of	8	CO3	K5
	service. She would like to have an annual equivalent amount of Rs. 3,00,000,			
	starting from the end of the first year of retirement. Find the single amount			
	that should be deposited now so that she receives the above mentioned annual			
	equivalent amount at the end of every year for 20 years			
	after her retirement. Assume $i = 15\%$ compounded annually.			
5.a.	What do you mean by inflation? Elucidate various measures of control of	7	CO4	K1
	inflation.			
b.	What is capital market ? how it is different from money market.	8	CO4	K1
	(OR)			
c.	Give definition and meaning of bank? And explain the primary functions of	7	CO4	K1
	commercial bank?			
d.	Explain about bank? What is receiving depository function of a commercial	8	CO4	K1
	bank?			

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