# DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY, CSJM UNIVERSITY, KANPUR

## Engineering Economics (HSS- S401)

	mester: 2024 (Even Semester) K22,CSE Branch)	Year: 2nd	
Mid Semester-Examination 1			
Time: 1.5 hours		Maximum marks: 30	
All questions are compulsory.			
	Section A		
		(9 x 1 mark)	
1. 2. 3. 4. 5. 6. 7. 8.	State the problems which can be explained with the help of the production What is the difference between change in quantity demanded and change is State the formula for the cross elasticity of demand for commodity X and of What are the determinants of the price elasticity of demand for a given con Write the name of the economist who said: "Resources are scarce."  The marginal utility of money for a miser.  The marginal rate of substitution (MRSxy) is the of slope of the scarce and Right Shoe are What is meant by the Diamond Water paradox?	n demand? commodity Y.	
10.	Two drivers – Tom and Jerry – each drive up to a petrol pump. Withough places an order. Tom says, "I'd like 20 litres of petrol." Jerry say	(3 x 3 marks)	
(	Rs. 2000. What is each driver's price elasticity of demand? Exp	lain with the help of	
11.	Discuss the properties of an indifference curve.		
12.	Demand and Supply are the two forces which can influence the price in a market. Explain with the help of a suitable diagram.		
	Section C		
		(2 x 6 marks	
13.	The market demand equation and the market supply equation for Mange $Q_d = 500 - 6P$ and $Q_s = 100 + 2P$ , respectively. Find the market equilifor Mangoes. Also, illustrate the market equilibrium using a suitable dia	brium price and quantity	

14. Explain consumer's equilibrium with the help of a suitable diagram.

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CASALISMS INSTITUTE OF ESGISLERISG AND LECTISOLOGY, CSIMUSIVERSITY, KANPER

# Engineering Economics (HSS-S401-CSE)

Semester: 2023-24 (Even Semester)

Years 2nd

(2K22, CSE Branch)

	Mid Semester 2 Examination
Tim	e: 1.5 hours Maximum marks: 30
All	questions are compulsory.
	Section A (9 x 1 mark)
1.	is the positive value of the slope of an isoquant at a given point.
2.	Isoquants are to the origincost cannot be recovered.
4.	If production function is, then isocline is a straight line.  Write the formula for elasticity of substitution
6. 7. 8. 9.	State the Law of DMRTS <sub>LK</sub> If labour and capital are perfect complements, then elasticity of substitution equals  In the, one factor input is fixed. [Assume only two inputs.]  The cost of one thing in terms of the alternative given up is known as
	Section B (3 x 3 marks)
10.	What is meant by the Product Line? Explain with the help of a suitable diagram.
11.	Explain the properties of isoquant.
12.	Explain Break-Even Analysis with the help of a suitable diagram.
	Section C (2 x 6 marks)
13.	
14.	Show graphically income effect, substitution effect and price effect for two commodities X an Y, if commodity X is an inferior commodity.

#### Department of CSE

## University Institute of Engineering and Technology, CSJM University, Kanpur Engineering Economics (HSS-S401)

Semester 2024 (Even Semester)

End-Semester Examination (2K22 Batch)

Time 3 hrs.

Maximum Marks: 50

All questions are compulsory

### Section - A

10 marks (Each question carries one mark.)

State whether the following statement is True, or False. Correct the statement, if it is False.

- In a perfectly competitive market, a firm faces two demand curves.
- Diseconomies of scale occur, when LAC increases as output increases.
- If households provide their services to a firm/business, they will receive subsidies from the firm in freturn.
- Selling cost is a feature of an oligopoly market.
- The existing firms in a perfectively competitive market will exit the market in the long run, if they T are making loss.

#### Fill in the blanks

### Section - B

20 marks (Each question carries 4 marks.)

- Elaborate upon the credit control method used by RBI to control inflation in India.
- Explain demand-pull inflation, with the help of a suitable diagram.
- 3 Suppose X is a normal commodity. Also, the price of commodity Y and consumer's income are held constant. If the price of commodity X decreases, then show the income effect, substitution effect and price effect, with the help of a suitable diagram.
- Discuss the difficulties in measuring NI.
- What are the components of GST? Explain.

### Section - C

20 marks (Each question carries 5 marks.)

- 1.a Tom and Jerry are discussing the Prisoner's Dilemma game. Tom says "The dominant strategy in this game is 'Not Confess'." Jerry doesn't agree with Tom. Who do you think is correct Tom, or Jerry? Explain with the help of a suitable example.
- 1.b Explain the circular flow of income in the "4-sector" economy, with the help of a suitable diagram.
- 2.a. Explain the different phases of business/trade cycle, with the help of a suitable diagram.
- 2 b Depict supra-normal profit, normal profit and loss in the short-run equilibrium in a monopolistic competitive market, by drawing separate diagrams.