

Roll Number: _____

Thapar Institute of Engineering & Technology, Patiala
(Deemed University)

School of Humanities & Social Sciences

Mid Semester Test-2022

B. E. (COE, CS, ENC, ECE, EM, EIC, ELE)

3rd and 7th Semester

01st October, 2022

Time: 2 Hours, M. Marks: 25

Course Code: UHU005

Course Name: Humanities for Engineers

Day and Time: Saturday, 05:30 to 07:30 Hours

Name of Faculty: Dr. Rakesh Kumar Sharma,
Dr. Rudra Rameshwar, Dr. Anupam Sharma,
Dr. Shilpi Tyagi, Dr. Sheena Chhabra

Instructions:

- i. Attempt all 5 questions.
- ii. Attempt all the parts of Questions at one place.
- iii. Be precise and to the point, write examples if asked in questions.
- iv. Assume any missing data (if any)
- v. Do mention page numbers on first page of 'Answer Sheet' in the space provided

		Marks
Q.1 (a)	Let the production function of a company be $Q = 5L^{1/2}K^{1/2}$. Calculate the maximum possible output that the company can produce with 100 units of L and 100 units of K. What is the maximum possible output that the company can produce with zero unit of L and 10 units of K?	2
(b)	Can there be some fixed cost in the long run? If not, why? Explain it with suitable examples	1
(c)	Explain the different stages of law of variable proportion of production.	2
Q.2	Explain how the theory of operant conditioning can be applied in the modification of undesirable behaviors by giving suitable examples. Discuss the differences between operant conditioning theory and classical conditioning.	5
Q.3 (a)	Sahira spends all her money on food and clothing. When the price of food items decreases, she buys more food items. Explain the effect on equilibrium point using demand and supply curves.	2.5
(b)	Explain the effect on market equilibrium with decrease in the future expected price of a product.	2
Q.4	Define Motivation. "People are motivated to fulfill basic needs before moving on to other more advanced needs". Explain the process of motivation and highlight the significance of need hierarchy theory in motivating employees with suitable examples.	1+2+2
Q.5 (a)	What are the different types of Morality, which of these you want to follow and why?	2.5
(b)	What is perception? Briefly discuss the three significant determinants of perception.	3

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