

Roll No.....

THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY, PATIALA
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

B.E. (MEE, MTX, COEMBA, MEMBA, CIE, BT)

MST March 30, 2022

6th and 8th Semester, Time: 2 Hours; MM: 35

UHU005 Humanities for Engineers

Instructors: A. Sharma, S. Tyagi, P. Kumar, R. Rameshwar

Instructions:

- i. Attempt any 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.

Please do mention page no. on first page of answer sheet.

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|---|-------------------|----|-----|-----|-----|-----|---|---------------------|----|----|-----|-----|-----|-----|---|
| 1. What do most psychologists do? What are perspectives in Psychology? Write these perspectives in brief with relevant examples from daily life. | 2+5 | | | | | | | | | | | | | | |
| 2. Explain the meaning of learning? Discuss the Bandura's 4 principles of Social Learning with useful and real examples. | 2+5 | | | | | | | | | | | | | | |
| 3. (a) Given the following table of costs: <table><tr><td>Output (in units)</td><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>Total cost (in INR)</td><td>50</td><td>80</td><td>100</td><td>150</td><td>250</td><td>750</td></tr></table> Define and calculate the following: (i) Fixed cost (ii) Average cost of production (iii) Variable cost per unit (iv) Marginal cost | Output (in units) | 0 | 1 | 2 | 3 | 4 | 5 | Total cost (in INR) | 50 | 80 | 100 | 150 | 250 | 750 | 4 |
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| Total cost (in INR) | 50 | 80 | 100 | 150 | 250 | 750 | | | | | | | | | |
| (b) Explain the increasing returns to scale with the suitable example. Discuss the factors which cause increasing returns to scale. | 3 | | | | | | | | | | | | | | |
| 4. Discuss the various stages of short run production function with the help of appropriate example and diagrams. Which is the best stage of production and why? | 7 | | | | | | | | | | | | | | |
| 5 "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 Maslow's need hierarchy theory in motivating employees with suitable examples. | 7 | | | | | | | | | | | | | | |
| 6.(a) Values play an integral role in human life. Discuss the importance of values in living meaningful life and effective decision making. (b) What are the different types of Morality, which of these you want to follow and why? | Bealthy and 4 | | | | | | | | | | | | | | |
| 7. (a). Explain how the law of demand works. Discuss the determinants of demand and their impact in context to consumer demand. (b) With an improvement in technology if the cost of production comes down and the firm is able to supply more to the market at the given price, what would be the effect on the supply curve? Use appropriate diagrams to support your answer. | 5 2 | | | | | | | | | | | | | | |

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SCHOOL OF HUMANITIES AND SOCIAL SCIENCES
HUMANITIES FOR ENGINEERS (UHU005)
MST QUIZ-I, March, 30th, 2022
Time: 10 Minutes Max. Marks:10

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|---|-----------------|
| Name | Roll No. |
| Group | Branch |
| Note: Overwriting is not permitted | |

- In Pavlov's experiment, the bell acted as
 - an unconditioned response
 - an unconditioned stimulus
 - a conditioned stimulus
 - a conditioned response
- Learning by reinforcements and punishments approach is called _____.
 - classical conditioning
 - operant conditioning
 - cognitive learning
 - social learning
- Psychology is best defined as the study of
 - mental health
 - consciousness and intuition
 - the mind and behavior
 - learning and developmental delay
- Which of the following explains the short-run production function?
 - Law of Demand
 - Law of Variable Proportion
 - Returns to Scale
 - Elasticity of Demand
- Law of variable proportion explains three stages of production. In the first stage of production:
 - Both MP and AP rise
 - MP rises
 - AP Falls
 - MP is zero
- With the increase in production the difference between total cost and total fixed cost:
 - Remains Constant
 - Increases
 - Decreases
 - Both increases and decreases
- Ethics is known as the philosophy of what?
 - Morality
 - Society
 - Justice
 - Humanity
- The term used to describe humans' desire for life-sustaining supports such as food and water is:
 - Secondary needs
 - Primary needs
 - motivation
 - esteem needs
- A decrease in price could be because of a
 - Fall in demand or a rise in supply
 - Rise in demand or a rise in supply
 - Fall in demand or a fall in supply
 - Rise in demand or a fall in supply
- According to Maslow's hierarchy of needs, if a person's esteem needs have been satisfied, then it is safe to assume that all of the following needs have also been satisfied except:
 - Belongingness
 - Knowledge
 - Psychological
 - Safety