

Roll No.....

THAPAR UNIVERSITY

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

B.E (CIE, MEE, COE (MBA))

MST March 6, 2020

8th Semester, Time: 2 Hours; MM: 25

UHU005 Humanities for Engineers

Instructors: A. Bakshi, A.N. Sah, R.K Sharma A. Sharma, S. Chhabra, P. Kumar

Instructions: Attempt all questions.

Attempt all the parts of questions at one place.

Be precise and to the point.

1. A firm has the following short run function where the only variable input is Labor (L.) (3.5)

$$Q = 9L^2 - 0.5L^3$$

- a) How much labour needs to be employed to get maximum profits if the output is sold at a price of Rs. 5 per unit and the price paid for the labour is Rs. 500?
- b) Geneva Company's total variable function is as follows: (3.5)

$$TVC = 50Q - 10Q^2 + Q^3$$

Where Q is the number of units of output produced.

- i) What is the output level where marginal cost is a minimum?
- ii) What is the output level where average variable cost is a minimum?
2. Elucidate the meaning of demand in economics. Explain the factors affecting demand for Maruti Suzuki cars in Patiala. (3)
3. Values play an integral role in human life. Discuss the importance of values in living healthy and meaningful life and effective decision making. (3)
4. What are the different types of Morality, which of these you want to follow and why? (3)
5. What is perception? Briefly discuss the three significant determinants of perception. (3)
6. "Reinforcement increases the likelihood of a desired response." Explain different schedules of reinforcement with appropriate examples. (3)
7. 'Human behavior can be addressed from different perspectives'. In light of this statement, describe any five significant perspectives used to study human behavior. (3)