

Roll No.

Total No. of Pages : 02

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B.Tech. (Automation and Robotics) (Sem.-6)
INTRODUCTION TO INDUSTRIAL MANAGEMENT

Subject Code : BTAR-605-18

M.Code : 79280

Date of Examination : 12-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a) Define industrial engineering.
- b) What do you understand by the term "*Excellence in Service*"?
- c) Define "*Total Quality Management*".
- d) What is "*Product Life Cycle*"?
- e) Enlist the various objectives of purchasing.
- f) What are different objectives of plant maintenance?
- g) Differentiate between ordering cost and inventory carrying cost.
- h) Define "*Benchmarking*".
- i) What are different types of customers?
- j) Enlist various steps of product development.

SECTION-B

2. Explain the various steps of a purchase procedure.
3. Discuss various elements of cost.
4. Elaborate in brief the different tools of management science.
5. Explain the salient features of Total Quality Control.
6. Enlist the requirements of a good product design.

SECTION-C

7. Differentiate between scheduled, preventive and predictive maintenance.
8. The manager of a factory is purchasing forging for Rs. 10,000 annually. Records reveal that cost of an order is Rs. 15; cost of carrying inventory is 9% of the average inventory value and unit price is Rs. 65.

Determine :

- (a) Economic Order Quantity
 - (b) Optimum number of orders per year
 - (c) Optimal cost of ordering and inventory carrying cost.
9. Write a short notes on the following:
 - a) Types of customer complaints.
 - b) Types of benchmarking.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.