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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(ME) (E-I 2011 Onwards) (Sem.-6)**OPERATIONS MANAGERMENTS**

Subject Code : DE/ME-2.3

Paper ID : [A2414]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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 has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

SECTION-A**Q1 Explain briefly :**

- a) Productivity.
- b) Standardization in relation to new product development.
- c) Forecasting.
- d) Aesthetic factors for product design.
- e) Aggregate planning.
- f) Expediting
- g) EOQ and safety stock
- h) Quality.
- i) Field of application of MIS.
- j) Condition monitoring.

SECTION-B

- Q2 Explain in detail different types of production systems and their characteristics.
- Q3 Differentiate between long range and short range forecasting. Explain Delphi technique of forecasting.
- Q4 State the differences between quality of conformance and quality of performance.
- Q5 What are the functions of dispatching? Explain the various documents raised by dispatcher.
- Q6 Explain the various steps in designing MIS.

SECTION-C

- Q7 Write short notes on the following :
- a) MRP System
 - b) Strategies of aggregate planning
- Q8 An industry needs 10, 000 ball bearings in a year. The cost of a single bearing is Rs. 75/-, and carrying cost is 12% of the unit cost and the ordering cost is Rs. 150/- per order. What is the optimal ordering policy? What is the total cost for operating the inventory?
- Q9 Classify Maintenance. Enlist the objectives of a maintenance system. State the differences between predictive and breakdown maintenance.