

Roll No. 

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(ME) (2011 Onwards E-II) (Sem.-7,8)

**OPERATIONS MANAGEMENT**

Subject Code : DE/ME-2.3

M.Code : 72009

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 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) Explain briefly :**

- a) Discuss need of Operation Management.
- b) What is short Range Forecasting?
- c) What is feasibility analysis?
- d) Define Production Planning.
- e) What is bill of Material?
- f) Define Routing.
- g) List any two objectives of material management.
- h) Define lead time.
- i) List any two functions of quality control.
- j) What is preventive maintenance?

**SECTION-B**

- 2) Discuss the various steps involved in product design and development.
- 3) List objectives of forecasting. Explain any one forecasting technique.
- 4) What is aggregate planning? Discuss mathematical techniques of aggregate planning.
- 5) What is quality control? Explain quality of conformance and quality of performance.
- 6) What are the main objectives and functions of material management?

**SECTION-C**

- 7)
  - a) Describe in brief the various types of production system?
  - b) Differentiate between long, medium and short range forecasting.
- 8)
  - a) What are the various objectives of inventory control? How EOQ is calculated?
  - b) Discuss various types of maintenance.
- 9) Write short Note on **ANY TWO** of the following :
  - a) Material requirement planning (MRP).
  - b) Use of concurrent engineering in product design and development.
  - c) Role of computers in Management Information Systems (MIS).

**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.**