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Total No. of Questions : 09

B.Tech.(ME) (E-I 2012 Onwards) (Sem.-6)

OPERATIONS MANAGEMENT

Subject Code : DE/ME-2.3

M.Code : 71255

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. Answer briefly :**
- a) Illustrate 'Capacity Control'.
 - b) Write a note on 'Man Power Requirement Planning'.
 - c) Explain Functions of Material Management.
 - d) What do you mean by Feasibility in Product Design and Development?
 - e) Describe 'Concurrent Engineering'.
 - f) What do you mean by 'Product Development'?
 - g) Define Productivity.
 - h) What do you understand by Reorder Point?
 - i) Describe EOQ.
 - j) Describe types of maintenance.

SECTION-B

2. Explain different production systems and their characteristics.
3. Explain different production systems and their various production control techniques.
4.
 - a) Explain Role of market survey and market research in pre-planning.
 - b) Describe various techniques of forecasting.
5. What do you understand by planned maintenance strategies and preventive maintenance?
6. Explain the following with respect to Production Control :
 - a) Routing
 - b) Scheduling
 - c) Dispatching
 - d) Expediting
 - e) Follow Up

SECTION-C

7. Explain in detail the following :
 - a) MRP
 - b) MRP-II
 - c) MPS
 - d) Capacity Planning
 - e) Aggregate Production Planning
8. Illustrate the following charts in detail :
 - a) \bar{X} and R
 - b) \bar{X} and s
 - c) p-chart
 - d) c-chart
 - e) u-chart
 - f) np-chart
9.
 - a) What do you understand by MIS and various steps in designing MIS?
 - b) What role does Computers have in 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.