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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (Ind. Engg. & Mgt.) (Spl. in TQM) PT (Sem.-5)

MAINTENANCE & PROJECT MANAGEMENT

Subject Code : IEM-503

M.Code : 70994

Time : 3 Hrs.

Max. Marks : 40

INSTRUCTIONS TO CANDIDATES :

1. Attempt All EIGHT questions from SECTION-A carrying TWO marks each.
2. Attempt any SIX questions out of EIGHT from SECTION-B carrying FOUR marks each.

SECTION-A**1. Answer the following briefly :**

- a) "Is maintenance a necessary evil"? Comment and justify.
- b) Define Reliability, Maintainability and Availability.
- c) Explain the organizational framework for maintenance.
- d) Describe the role of computers in maintenance management.
- e) Briefly explain the working principle of shock pulse method.
- f) Write a short note on phases of project management.
- g) Explain three rules for constructing a network diagram.
- h) Discuss the steps involved in commissioning of projects.

SECTION-B

2. Discuss the salient features, advantages and limitations of various types of planned maintenance techniques.
3. Discuss the steps involved in maintenance planning.
4. How do organizations plan for training in maintenance activities?
5. How organizations can create motivation for maintenance in organizations? Describe various incentives planned by organizations to motivate workers.
6. Define Corrosion. What are the effects of corrosion on material performance? Explain types of corrosion and their prevention techniques.
7. How Gantt charts can be used for project management? Explain with the help of a suitable example.
8. What is Project crashing in project management? Explain tradeoffs in cost-time giving appropriate example.
9. Discuss the procedure for implementation of safety practices laid out by the government.

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.