

**DIPLOMA - VIEP - MECHANICAL
ENGINEERING (DMEVI)**

Term-End Examination

December, 2015

BIME-028 : MAINTENANCE ENGINEERING

Time : 2 hours

Maximum Marks : 70

Note : Answer any *seven* questions. All questions carry equal marks.

1. What do you understand by 'Maintenance' ?
Briefly discuss the objectives of Maintenance Department. 10
2. What are the various types of maintenance ?
Briefly explain any two of them. 10
3. Explain the concepts of maintenance planning and scheduling. 10
4. Briefly discuss the following : 10
 - (a) Mean Maintenance Man Hours
 - (b) Mean Time for Corrective and Preventive Maintenance.

5. Briefly describe the following with regards to spare parts management : 10
- (a) Cost reduction approach
 - (b) Spare parts procurement
6. Briefly describe the maintenance management of an organization you are familiar with. 10
7. What are the objectives of a maintenance organization ? List down the factors that determine the effectiveness of maintenance. 10
8. Briefly discuss the following : 10
- (a) Centralized vs Decentralized maintenance
 - (b) Preventive vs Predictive maintenance
9. Explain the advantages and disadvantages of Breakdown or Corrective maintenance. 10
10. Briefly discuss the following : $2 \times 5 = 10$
- (a) Maintainability and factors affecting maintainability
 - (b) Systematic method of maintenance
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