

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

**Term-End Examination**

00722

**December, 2016**

**BIME-028 : MAINTENANCE ENGINEERING**

*Time : 2 hours*

*Maximum Marks : 70*

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

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1. Describe the objectives and importance of maintenance. Also explain the advantages and disadvantages of a maintenance system. 10
  
2. Draw a typical organizational chart of the maintenance department intended for automobile industry. Discuss in detail. 10
  
3. Discuss in detail about the preliminary considerations in maintenance planning. 10
  
4. Explain the systematic method of maintenance scheduling with suitable examples. 10
  
5. How do you evaluate the maintenance management ? Explain in detail. 10

6. Describe the following : 5+5=10
- (a) Mean Time for Corrective and Preventative Maintenance
  - (b) Total Productive Maintenance
7. Briefly explain the use of computers in maintenance planning and scheduling with suitable examples. 10
8. What are the objectives of inventory control of spare parts ? Explain a suitable method for spare parts inventory control. 10
9. Write down the maintenance policies, storage and various options in a maintenance management system. 10
10. Briefly describe the following : 10
- (a) Cost Reduction Approach to Spares
  - (b) Criterion of Evaluation
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