

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

Term-End Examination

December, 2013

BIME-028 : MAINTENANCE ENGINEERING

Time : 2 hours

Maximum Marks : 70

*Note: Attempt any five questions.
All questions carry equal marks.*

1. Describe the objectives and importance of maintenance. Explain the necessity of maintenance management. 14
2. Briefly discuss about various types of maintenance. Explain the elements of preventive maintenance. 14
3. Describe in brief economic aspect of maintenance. How can you select an optimum maintenance programme ? 14
4. Explain how preventive maintenance is better than corrective maintenance. State the requirements of good preventive maintenance. 14
5. Describe the following terms : 14
 - (a) Evaluation of maintenance performance
 - (b) Total productive maintenance
 - (c) Total planned quality maintenance

6. Briefly explain the use of computer in maintenance planning and scheduling. Describe the systematic method of maintenance and scheduling. **14**
7. What is the importance of reliability ? Explain the failure pattern of complex products. **14**
8. Write short notes on any four of the following : **14**
- (a) Capacity utilization
 - (b) Maintenance policies
 - (c) Replacement policies
 - (d) Factors affecting maintainability
 - (e) Maintenance planning
 - (f) Maintenance organization.
-