

Roll No

MMTP - 205**M.E./M.Tech. II Semester**

Examination, December 2013

Maintenance of Thermal Power Plant*Time : Three Hours**Maximum Marks :70*

- Note :** 1. Attempt any five questions out of eight.
2. All questions carry equal marks.

1. Explain maintenance management. Describe different maintenance strategies of a thermal power plant.
2. a) What is inventory control. Discuss the importance of inventory control and purchase procedure in maintenance of thermal power plant.
b) Draw the organisational structure of maintenance department.
3. Design the preventive maintenance system for boiler and Generator of a power plant.
4. What do you understand by condition monitoring. Discuss different techniques of condition monitoring and their specific application in power plant.
5. a) Name and explain different modes of lubrication used in power plant.
b) Discuss different types of lubricants used in power plant.

6. Discuss the failure mechanism of condenser in a power plant. Also suggest remedies to avoid the failures of condenser in power plants.
7. Differentiate between:
 - i) Predictive and preventive maintenance
 - ii) Maintenance planning and maintenance scheduling
 - iii) On line and off line maintenance
8. Write short notes on any two:
 - i) Diagnostic maintenance
 - ii) Non Destructive testing
 - iii) Maintenance of bearing
 - iv) Failure of steam turbine blades.

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