

Roll No:

Total No. of Questions : 08]

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Paper ID [PE513]

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M.Tech. (Sem. - 2nd)

DIAGNOSTIC MAINTENANCE AND MONITORING (PE - 513)

Time : 03 Hours

Maximum Marks : 100

Instruction to Candidates:

- 1) Attempt any **Five** questions.
- 2) **All** questions carry equal marks.

- Q1)* What are maintenance techniques. Discuss the objective of maintenance and its important functions.
- Q2)* Discuss various observational techniques in maintenance used in industry.
- Q3)* Discuss the nondestructure techniques which are used for detecting interval flows and external flows.
- Q4)* Explain wear analysis through Ferrography.
- Q5)* What do you understand by diagnostic maintenance? How it can be applied to thermal power plant? Discuss.
- Q6)* Describe the maintenance control system and discuss briefly the three principal mechanism of maintenance control.
- Q7)* What is meant by work planning. Make a flow chart for emergency work and explain.
- Q8)* Describe the need of maintenance planning for a production system and identify the benefits of effective maintenance.

