

Roll No.

Total No. of Questions : 08]

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M.Tech.

DIAGNOSTIC MAINTENANCE AND MONITORING

SUBJECT CODE : PE - 513 (Elective - I)

Paper ID : [E0450]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 100

Instruction to Candidates:

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

- Q1)* What do you understand by diagnostic maintenance? How predictive maintenance is different from preventive maintenance? Explain with examples.
- Q2)* What are different observational techniques and how it is helpful in maintenance and monitoring? Discuss.
- Q3)* Now a days the non destructive methods of testing is being used in the industry. Explain in brief the methods and their advantages.
- Q4)* What is meant by condition monitoring. Discuss the types, various techniques and advantages of condition monitoring.
- Q5)* Discuss wear analysis through thermography.
- Q6)* Discuss the application of diagnostic maintenance in a Thermal Power Plant.
- Q7)* Describe the maintenance control system and discuss briefly the three principle mechanism of maintenance control.
- Q8)* Write a detailed note on replacement analysis.

