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Question Paper Code: 39717

B.E. / B.Tech. DEGREE EXAMINATION, AUGUST 2021

Elective

Mechanical Engineering

01UME917 - MAINTENANCE ENGINEERING

(Regulation 2013)

Duration: 1.45 hrs

Maximum: 50 Marks

PART A - (10 x 2 = 20 Marks)

(Answer any ten of the following questions)

1. Define maintenance.
2. Define machine availability.
3. What is meant by breakdown maintenance approach?
4. What is meant by maintenance schedule?
5. List down the key features of condition monitoring.
6. Differentiate on load testing and off load testing.
7. What is meant by sequential fault location?
8. What is the aim of event tree analysis?
9. Define root cause analysis.
10. Give the name of automobile used for material handling in industry.
11. Define reliability.
12. What is Mean Time Between Failures (MTBF)?
13. Define preventive maintenance. What is the reason it is to be adapted in the present times?

14. Why do you need lubrication?

15. List down the key features of condition monitoring

PART – B (3 x 10= 30 Marks)

(Answer any three of the following questions)

16. What do you mean by maintenance job planning? Discuss various steps of maintenance job planning. (10)
17. Explain briefly about TPM with the help of flow chart. (10)
18. What is leakage monitoring? Explain some of the leakage mediums used for condition monitoring. (10)
19. Explain FMEA with the help of flow chart. (10)
20. Explain about the job order system. (10)