

USN

--	--	--	--	--	--	--	--	--	--	--

15AU834

Eighth Semester B.E. Degree Examination, June/July 2019 Maintenance Engineering

Time: 3 hrs.

Max. Marks: 80

**Note: Answer any FIVE full questions, choosing
ONE full question from each module.**

Module-1

- 1 a. Define maintenance. Explain scope and importance of maintenance system. (08 Marks)
b. Explain break down maintenance and preventive maintenance. (08 Marks)

OR

- 2 a. Explain corrective maintenance and design out maintenance. (08 Marks)
b. Explain periodic maintenance and condition based maintenance. (08 Marks)

Module-2

- 3 a. Explain the causes of machine failure. (08 Marks)
b. Explain about maintenance planning and scheduling. (08 Marks)

OR

- 4 a. Write about complete overhauling of horizontal milling machine. (08 Marks)
b. Explain in brief maintenance job analysis and spare part control. (08 Marks)

Module-3

- 5 a. Explain repair complexity. (08 Marks)
b. Explain the technical and financial factors to be considered while studying replacement analysis. (08 Marks)

OR

- 6 a. How does the long-range planning help the maintenance function effectively? Explain. (08 Marks)
b. What is the importance of manpower allocation in the context of maintenance function? (08 Marks)

Module-4

- 7 a. Explain how computers can be effectively used in maintenance management. (08 Marks)
b. Explain the role of computers in human resource management. (08 Marks)

OR

- 8 a. Write about safety standards for mechanical equipment. (08 Marks)
b. Write about accident investigation and analysis of accident records. (08 Marks)

Module-5

- 9 Write a short note on : (16 Marks)
a. Material handling
b. Plant house keeping
c. Chemical hazards
d. Safety system for exhaust system.

OR

- 10 a. Explain electrostatic sampling method. (08 Marks)
b. Write a note on noise and vibration control technique. (08 Marks)

* * * * *

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg. 42+8 = 50, will be treated as malpractice.