

**Eighth Semester B.E. Degree Examination, June/July 2017**  
**Maintenance Engineering**

Time: 3 hrs.

Max. Marks: 100

**Note: Answer FIVE full questions, selecting  
at least TWO questions from each part.**

**PART – A**

- 1 a. What are the objectives and functions of maintenance engineering? (10 Marks)  
b. Mention the types of maintenance system and clearly explain preventive maintenance system. (10 Marks)
- 2 a. Explain repair cycle and repair complexity in detail. (10 Marks)  
b. Explain the economical and financial factors to be considered while studying replacement analysis. (10 Marks)
- 3 a. Explain the benefits of maintenance performance evaluation. (10 Marks)  
b. Explain the various maintenance stages for a lathe. (10 Marks)
- 4 a. Write a detailed note on long range planning and short range planning. (10 Marks)  
b. Write a detailed note on maintenance job analysis. (10 Marks)

**PART – B**

- 5 a. Explain briefly some of the computer based system that can be implemented in a large sized industrial organisation. (10 Marks)  
b. Explain the benefits and features of computers in maintenance management system. (10 Marks)
- 6 a. What is safety organisation? Explain the different types of safety organisation. (10 Marks)  
b. Discuss in detail the causes of an industrial accident. (10 Marks)
- 7 a. Briefly explain in general the safety standards for Electrical equipments. (10 Marks)  
b. What are the precautionary measures to be taken while working on welding machines? (10 Marks)
- 8 Write short notes on any four of the following: (20 Marks)
  - a. Electrostatic separators
  - b. Cyclone separators
  - c. Wet scrubber
  - d. Chemical hazards in an industry
  - e. Spare parts control.

\* \* \* \* \*