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10MA764

Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019

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. Define maintenance. Describe the role and importance of maintenance in modern industry. (10 Marks)
b. What is preventive maintenance? Write its objectives and functions. (10 Marks)
- 2 a. Explain Inspection (I), Small repair (S), Medium repair (M) and Complete overhaul (C). (10 Marks)
b. Write a note on frequency of overhaul and replacement. (10 Marks)
- 3 a. Explain performance evaluation in an industry. (10 Marks)
b. Write procedure for complete overhaul of metal cutting equipment. (10 Marks)
- 4 a. Discuss briefly on maintenance planning and the factors involved in it. (10 Marks)
b. With an example, explain long range and short range planning. (10 Marks)

PART – B

- 5 a. Write the features and benefits of computer aided maintenance. (10 Marks)
b. Write the applications of computers in maintenance and explain any one. (10 Marks)
- 6 a. Explain economic importance of accidents. (10 Marks)
b. Write a note on accident investigations. (10 Marks)
- 7 a. What are the safety standards for electrical equipments? (10 Marks)
b. What are the chemical Hazards in industry and explain about the prevention. (10 Marks)
- 8 a. Write a note on industrial noise measurement and control. (10 Marks)
b. What are the types of mechanical dust collector and explain any one. (10 Marks)

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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.