

MANAGEMENT PROGRAMME

Term-End Examination

December, 2014

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

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- Note :** (i) Answer *any four* questions.
(ii) All questions carry *equal* marks.
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1. (a) Discuss the objectives and functions of a maintenance system.
(b) Explain how the total maintenance cost is affected by the level of preventive maintenance.
2. (a) Describe the maintenance Control Cycle.
(b) Discuss the key issues affecting maintenance organisation structure.
3. (a) Elaborate your understanding about Life Cycle of Spare Parts.
(b) Explain the various modules of Computerized Maintenance Management System (CMMS) software.
4. (a) Discuss the training needs for maintenance engineering and management.
(b) What do you mean by continuous improvement ? Explain the similarities and dissimilarities between Deming's PDCA Cycle and CAPD Cycle.

5. (a) What is meant by reliability and explain how it is different from quality ?
"Availability is a more practical and appropriate measure of equipment performance" - Discuss.
- (b) What are the Big Six Losses ? What is the importance of these losses ?
6. Write short notes on **any four** of the following :
- (a) Reliability Centred Maintenance (RCM)
 - (b) Maintenance Audit
 - (c) Failure Modes and Effects Analysis (FMEA)
 - (d) BATH-TUB-CURVE
 - (e) Maintenance Costing
 - (f) Life Cycle Profit
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