

01995

MANAGEMENT PROGRAMME

Term-End Examination

December, 2015

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) What is corrective maintenance ? Explain some useful strategies for reducing corrective maintenance time.
(b) What are the elements of preventive maintenance ? Explain in brief.
2. (a) Discuss different functions of maintenance department.
(b) Discuss the significance of scheduling in plant maintenance. List out and describe various policies of scheduling applicable to maintenance.
3. (a) What do you understand by condition based maintenance system ? What are 'On-line' and 'Off-line' condition monitoring ? Briefly explain.
(b) 100% reliability of all the components of a machine or equipment is not always aimed to achieve. Explain with example.

4. (a) When does an organisation opt for contractual maintenance ? Explain with examples. What are its merits and demerits ? On what type of machines do you suggest this policy ?
- (b) Discuss the role of a plant manager as safety manager in maintaining safety of the equipment, humans, assets and environment.
5. (a) Discuss the merits of Total Productive Maintenance (TPM) in the light of effectiveness of the system performance.
- (b) Why should the maintenance function be audited ? Explain how maintenance audit helps in analysing performance factors.
6. Write short notes on **any four** of the following :
- (a) Tero technology
 - (b) Maintenance costing and Budgeting
 - (c) Buffer Stock
 - (d) Overhauling of machines
 - (e) Maintenance Audit
 - (f) FIFO and LIFO
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