

00502

MANAGEMENT PROGRAMME

Term-End Examination

June, 2016

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : (i) Answer any four questions.

(ii) All questions carry equal marks.

1. (a) Define maintenance. How can maintenance affect the life cycle profits of an equipment ?
(b) Discuss the advantages of condition based maintenance over preventive maintenance.
2. (a) What are the important components of a maintenance organization ? List some of the goals and objectives of maintenance organization.
(b) What intangible benefits can be expected from IT enabled maintenance operations ?
3. (a) Explain the methodology adopted to improve safety and environmental performance through maintenance management.
(b) Explain and give examples of Hard, Soft and Hybrid technologies used by World Class Companies in the context of TQM and maintenance management.

4. (a) Discuss in brief the economics of repair and replacement of equipment.
(b) What do you understand by Failure Modes and Effects Analysis (FMEA) ? What are the objectives of this process ?
 5. (a) "Under Reliability Centred Maintenance (RCM) methodology, the problem is not a failure at all, it is the consequences of failure". Discuss.
(b) Explain the significance of maintenance information system with reference to the implementation of condition based maintenance.
 6. Write short notes on **any four** of the following :
 - (a) Terotechnology
 - (b) Type of spare parts
 - (c) The human side of maintenance
 - (d) Pareto chart
 - (e) Zero Breakdown
 - (f) Chronic and Sporadic Losses
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