

MANAGEMENT PROGRAMME

(MP)

Term-End Examination

June, 2025

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 Hours

Maximum Marks : 100

Weightage : 70%

Note : (i) Attempt any **five** questions.

(ii) All questions carry equal marks.

1. Define maintenance and its functions. What are the main components of a maintenance system ? Discuss.
2. What is Condition-based maintenance ? What are the key steps involved in implementing it in any plant ?

3. Elaborate on the concept of Reliability-Centered Maintenance (RCM). Discuss how RCM can help the maintenance manager improve his job functioning.
4. What are the important components of a maintenance organization ? Name the key issues affecting the maintenance organizational structure.
5. Explain the terms Failure Rate, Hazard Rate and Bath-Tub curve.
6. What are the objectives of TPM ? What are the big six losses ? How these can be eliminated or reduced ? Discuss.
7. Write short notes on any *four* of the following :
 - (i) Spare Parts Inventory
 - (ii) Constant Hazard Model
 - (iii) Zero-based Budgeting
 - (iv) Overhauling and Overhaul decision
 - (v) Maintenance Audit

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