

**MANAGEMENT PROGRAMME
(MP)**

**Term-End Examination
December, 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. What are the life cycle cost components for any plant ? How can maintenance affect the life cycle profits of any equipment and plant ? Discuss.
2. Discuss quality and profitability relationships with reference to quality of design and quality of conformance characteristics. Can you integrate maintenance activities into this relationship ?

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3. Why are safety and environmental issues important for a manufacturing organization ? Explain how maintenance function can help in risk management.
4. What are the main sources of collection of maintenance costs ? State the procedure with examples for the collection of data from these sources.
5. Explain the unique problems of spare parts management. Suggest the methods for controlling the spare parts inventory.
6. Explain the terms TQC, TQM and TPM. Discuss the relationship among them.
7. Write short notes on any *four* of the following :
 - (a) Terotechnology
 - (b) Importance of Maintenance Audit
 - (c) Non-linear Hazard Model
 - (d) Overhauling and Overhaul Decision
 - (e) Maintenance Costing and Budgeting

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