

**MANAGEMENT PROGRAMME
(MP)**

**Term-End Examination
June, 2024**

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 Hours

Maximum Marks : 100

Weightage : 70%

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

(ii) All questions carry equal marks.

1. Define maintenance and its function ? How can maintenance affect the life cycle profits of any equipment and plant ? Discuss.
2. What are the basic principles of maintenance planning ? What are the steps in an effective planning procedure ? Explain the basic levels of planning commonly used.
3. What are the goals and objectives of a maintenance organization ? Discuss the factors that can influence a maintenance departments internal environment.

4. What is the aim of spare parts inventory management ? In what way does it influence the different stages of the life cycle of spare parts ? Discuss.
5. Briefly describe the concept of reliability, maintainability and availability.
6. Discuss how TQM emerged and link it with the developments in maintenance management.
7. Write short notes on any *four* of the following :
 - (i) Total Productive Maintenance
 - (ii) Benefits of Implementing Reliability-Centred Maintenance (RCM)
 - (iii) Mean Time to Repair
 - (iv) Overhauling and Overhaul Decision
 - (v) Failure Modes and Effects Analysis (FMEA)