

MANAGEMENT PROGRAMME (MP)

Term-End Examination

December, 2023

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 Hours

Maximum Marks : 100

Note : (i) *Question paper contains seven questions.*

(ii) *Attempt any **five** questions.*

(iii) *All questions carry equal marks.*

1. "Forecasting of maintenance workload of a plant is essential for carrying out proper planning and scheduling." Explain, in view of statement, the concept of forecasting maintenance workload of a plant.
2. What are the merits and demerits of internally developed and readymade softwares for maintenance ?
3. Briefly explain the procedures that might improve the reliability of a system. Distinguish between a system with components in parallel and in series.

4. Define hazard rate and discuss the *three* periods or regions of the life cycle of a unit or device as illustrated by the “bath-tub” curve.
5. Explain the concept of Reliability Centered Maintenance (RCM). What are the pitfalls in implementing RCM ?
6. “IT application is not panacea for all the ills of the maintenance function.” Justify the statement.
7. Write short notes on any *three* of the following :
 - (a) Guidelines for selecting best maintenance strategy
 - (b) Objectives of maintenance organization
 - (c) Total Quality Management
 - (d) Gamma Distribution
 - (e) Types of Audit