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MS-057

Management Programme (MP)

Term-End Examination

June, 2020

MS-057 : MAINTENANCE MANAGEMENT

Time : 3 Hours

Maximum Marks : 100

Note : (i) Answer any five questions.

(ii) All questions carry equal marks.

1. What do you understand by "Planned Maintenance System" ? To implement a planned maintenance management system successfully, what various documents are required ? Elaborate.

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2. What are the important components of a maintenance organization ? Also provide factors to be kept in view while deciding roles and responsibilities for maintenance personnel.

3. What are the basic expectations of the organization from the employees as far as maintenance management is concerned ? Also explain the expectations of employees from the organization.

4. What are the parameters of the Weibull model ? Explain how the model is used for failure diagnosis by briefly explaining the relationship between the shape parameter β and the underlying cause(s) of recurrent failure.

5. What do you mean by Reliability Centered Maintenance (RCM) ? What are the various steps involved in RCM methodology ? Why is it said that, "Under RCM methodology, the problem is not failure at all, it is the consequence of failure" ?
6. What type of information you will be looking into before deciding a proper maintenance strategy ? Explain the procedure for choosing a suitable maintenance strategy.
7. Write short notes on any *three* of the following :
- (a) Basic principles of maintenance planning
 - (b) Zero based budgeting

- (c) Total Quality Management (TQM)
- (d) Negative Exponential Distribution
- (e) Types of Audit
- (f) Chronic and Sporadic Losses