

00019

**MANAGEMENT PROGRAMME**

**Term-End Examination**

**December, 2017**

**MS-057 : MAINTENANCE MANAGEMENT**

*Time : 3 hours*

*Maximum Marks : 100*

- 
- Note : (i) Answer any five questions.  
(ii) All questions carry equal marks.*
- 

1. Define maintenance and its function ? What are the factors affecting life cycle profits of any industrial plant ? How can maintenance affect the life cycle profits of any equipment and plant ? Elaborate.
2. In your opinion, what is the cause of late adoption of Information Technology (IT) for maintenance compared to other functions ? What intangible benefits can be expected from IT enabled maintenance operations ? Discuss.
3. Many organizations have standing conflicts amongst maintenance and production/operations employees. Describe the nature of these conflicts. Discuss the steps to improve the negative image and low self-concept of maintenance.

4. What do you understand by process capability studies ? Can you relate maintenance management to process capability index ? Discuss.
  5. "Plant shutdowns for equipment overhauls need to be adequately planned", Elaborate. What will happen if this is not done ? List the various steps of planning of maintenance shutdowns.
  6. Discuss preventive maintenance. In what ways is preventive maintenance absolutely necessary in pull manufacturing as opposed to push manufacturing ?
  7. Write short notes on any three of the following :
    - (a) Opportunistic Maintenance
    - (b) Tero-based Budgeting for Maintenance
    - (c) Elements of Maintainability
    - (d) Failure Modes and Effects Analysis (FMEA)
    - (e) Importance of Maintenance Audit
-