

No. of Printed Pages : 2

MS-57

MANAGEMENT PROGRAMME

Term-End Examination

December, 2011

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : Answer any four questions. All questions carry equal marks.

1. (a) Discuss briefly the various techniques for condition based maintenance.
(b) What are the objectives of Total Productive Maintenance ? Discuss the significance of Age-specific failure rate.
2. (a) Explain the importance of maintenance audit. Describe the salient features to be covered in a maintenance audit report.
(b) Describe the process through which a shutdown programme has to be established. Give an example from thermal power plant.
3. (a) What is Reliability ? How Redundancy is related to reliability ? Explain how component redundancy yields higher reliability than unit redundancy. For a general case of n-component series system, prove that is true.

- (b) Discuss the relationship between emerging technology, maintenance management and TQM.
4. (a) What are the aims and activities of maintenance ?
- (b) What are major components of safety and environmental issues of an enterprise ? Differentiate between investigation of incidents and audits.
5. (a) Discuss the processes in details for maintenance planning and scheduling.
- (b) Elaborate your understanding regarding the importance and processes for maintenance costing and budgeting.
6. Write short notes on *any Three* of the following.
- (a) Terotechnology
 - (b) Reliability Centered Maintenance.
 - (c) Maintenance Organisation
 - (d) Process Capability
 - (e) Spare Parts Inventory.
-

No. of Printed Pages : 2

MS-57

MANAGEMENT PROGRAMME

Term-End Examination

June, 2012

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : Answer any four questions.

All questions carry equal marks.

1. (a) Define maintenance and its function. What are the main components of maintenance system.
(b) Explain your understanding about 'Maintenance Strategy'.
2. (a) What is maintenance control cycle? Explain its objectives.
(b) Discuss the important components of a maintenance organisation.
3. (a) What are the main sources of collection of maintenance cost ? State the procedure with examples for collection of data from these sources.
(b) Name the various modules normally present in CMMS and their functions.

4. (a) Explain the different stages of the life cycle of spare parts.
- (b) Define Reliability. Distinguish between a system with components in parallel and in series. Explain the procedures for improving reliability of a system.
- 5 (a) Discuss the safety and environmental issues in manufacturing organisation. Explain their relationship with maintenance management.
- (b) Explain the terms TQC, TQM and TPM. Discuss the relationship amongst them.
6. (a) "Overhauling of plant and equipment constitutes an important part of the preventive maintenance effort of a manufacturing organisation" - Discuss.
- (b) What is the main difference between audits for safety and maintenance ? Explain the steps involved in a Maintenance Audit.
-

No. of Printed Pages : 2

MS-57

MANAGEMENT PROGRAMME

Term-End Examination

O

December, 2012

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : Answer any four questions. All questions carry equal marks.

1. (a) What are the Life cycle cost components for any plant? How maintenance can affect the life cycle profits of any equipment and plant?
(b) Discuss the various functions and objectives of maintenance.
2. (a) Discuss the basic principles of maintenance planning and scheduling.
(b) Explain the characteristics and benefits of planned maintenance.
3. (a) **Discuss the key issues affecting maintenance organisation structure.**
(b) Explain the unique problems of spare parts management. Suggest the methods for controlling the spare parts.

4. (a) Discuss the important issues related to Training and Development in maintenance management.
(b) What do you mean by continuous improvement? Explain the autonomous CAPD cycle for maintenance function.
 5. (a) Explain Reliability, Failure Rate, Hazard Rate. Establish the relationship among these three with the help of equations. Also explain BATH-TUB curve and its importance in maintenance management.
(b) What are the objectives of TPM? What are the big six losses? How these can be eliminated or reduced?
 6. Write short note on *any three* of the following.
 - (a) Reliability Centred Maintenance (RCM).
 - (b) Failure Modes and Effects Analysis (FMEA).
 - (c) Safety and Environmental issues in maintenance.
 - (d) Maintenance Costing and Budgeting.
 - (e) Terotechnology.
-

No. of Printed Pages : 2

MS-57

MANAGEMENT PROGRAMME

Term-End Examination

June, 2013

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : Answer any four questions. All questions carry equal marks.

1. (a) Explain the Life Cycle Cost and its components for any plant. Identify the factors affecting Life Cycle Profits of any industrial plant.
(b) What is preventive maintenance ? Explain different preventive maintenance tasks. How is total maintenance cost affected by the level of preventive maintenance.
2. (a) What do you understand by maintenance planning and scheduling ? Explain basic principles for maintenance planning.
(b) Elaborate your understanding about maintenance control.

3. (a) Explain the key issues affecting maintenance organisation structure.
(b) Discuss the role of Information and Communication Technology for influencing maintenance function.
4. (a) What do you understand by maintenance budgeting ? Explain Zero Based Budgeting.
(b) Elaborate your understanding about "Training in Maintenance Technology".
5. (a) What do you understand by the terms :
(i) design for manufacturability
(ii) design for serviceability
(iii) design for maintainability. Also discuss the relationship amongst them.
(b) Define Reliability, Maintainability and Availability. Establish relationship amongst them.
6. Write short notes on *any four* of the following :
(a) Condition Based Maintenance
(b) Maintenance Strategy
(c) Spare Parts Inventory Management
(d) Process Capability
(e) Failure Modes and Effects Analysis (FMEA)
(f) Maintenance Audit

No. of Printed Pages : 2

MS-57

MANAGEMENT PROGRAMME

Term-End Examination

December, 2013

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : Answer any four questions. All questions carry equal marks.

1. (a) Write an essay on Total Productive Maintenance.
(b) "Plant shutdowns for equipment over-hauls need to be adequately planned". Why ? What will happen if this is not done ? What are the various steps of planning of maintenance shutdowns ?
2. (a) How can maintenance function help in Risk Management ? Differentiate between investigation of incidents and audits.
(b) What steps are needed to introduce and sustain HRD, especially, for maintenance in an organization ?
3. (a) Discuss the relationship between emerging technology, maintenance management and TQM.

- (b) What are the functions of a maintenance system ?
4. (a) Explain the working of a planned maintenance management system.
(b) Discuss the goals and objectives of maintenance organization.
5. (a) Explain what is meant by cost absorption and cost apportionment ? Discuss the methods of cost absorption.
(b) Elaborate your understanding about spare parts management.
6. Write short notes on **any four** of the following.
(a) Reliability Centered Maintenance (RCM)
(b) Failure Modes and Effects Analysis (FMEA)
(c) BATH- TUB Curve
(d) Terotechnology
(e) Computerized Maintenance Management System(CMMS)
(f) Design - Out - Maintenance.
-

No. of Printed Pages : 2

MS-57

00931

MANAGEMENT PROGRAMME

Term-End Examination

June, 2014

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

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

1. (a) Define maintenance. Explain the main components of a maintenance system.
(b) Explain the procedure you will recommend for choosing a suitable maintenance strategy.
2. (a) Explain your understanding about maintenance planning and scheduling.
(b) Discuss the importance of maintenance budgeting. Explain the advantages of Zero Based Budget.
3. (a) Discuss the role of information technology in maintenance management.
(b) Define Reliability, Availability and Maintainability. Discuss the interrelationship among these three.

4. (a) Discuss the relationship among TQM, TPM and Advanced Technology.
(b) Elaborate your understanding about Failure Modes and Effects Analysis (FMEA).
5. (a) What do you mean by Maintenance Audit ? Explain the steps involved in Maintenance Audit.
(b) Define Condition Based Maintenance (CBM). Explain the economics of CBM.
6. Write short note on **any four** of the following :
 - (a) Spare Parts Inventory
 - (b) Reliability Centred Maintenance (RCM)
 - (c) Role of HRD in maintenance
 - (d) Terotechnology
 - (e) Maintenance Organisation
 - (f) Safety and Environmental issues in maintenance management

ASSIGNMENT GURU

www.ignouassignmentguru.com

No. of Printed Pages : 2

MS-57

MANAGEMENT PROGRAMME

Term-End Examination

December, 2014

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

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

(ii) *All* questions carry *equal* marks.

1. (a) Discuss the objectives and functions of a maintenance system.
(b) Explain how the total maintenance cost is affected by the level of preventive maintenance.
2. (a) Describe the maintenance Control Cycle.
(b) Discuss the key issues affecting maintenance organisation structure.
3. (a) Elaborate your understanding about Life Cycle of Spare Parts.
(b) Explain the various modules of Computerized Maintenance Management System (CMMS) software.
4. (a) Discuss the training needs for maintenance engineering and management.
(b) What do you mean by continuous improvement ? Explain the similarities and dissimilarities between Deming's PDCA Cycle and CAPD Cycle.

5. (a) What is meant by reliability and explain how it is different from quality ?
“Availability is a more practical and appropriate measure of equipment performance” - Discuss.
- (b) What are the Big Six Losses ? What is the importance of these losses ?
6. Write short notes on **any four** of the following :
- (a) Reliability Centred Maintenance (RCM)
 - (b) Maintenance Audit
 - (c) Failure Modes and Effects Analysis (FMEA)
 - (d) BATH-TUB-CURVE
 - (e) Maintenance Costing
 - (f) Life Cycle Profit

ASSIGNMENT GURU

www.ignouassignmentguru.com

No. of Printed Pages : 2

MS-57

MANAGEMENT PROGRAMME

Term-End Examination

June, 2015

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

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

(ii) *All* questions carry *equal* marks.

1. (a) What is maintenance ? What are the objectives of maintenance department ? Discuss.
(b) Discuss measures to be taken to improve safety in maintenance. Give examples relevant to manufacturing.
2. (a) What is maintainability ? Discuss different elements of maintainability. Explain its relationship to availability.
(b) What is the importance of Maintenance Budgeting ? Give the advantages of Zero Based Budgeting.
3. (a) What is Terotechnology ? How is it related to maintenance management ?
(b) What is codification ? What is its significance in maintenance spare parts management ? What are the advantages of codification ?

4. (a) Distinguish between process FMEA and design FMEA. Also discuss the merits and demerits of FMEA.
(b) List and explain the costs associated with equipment breakdown.
5. (a) Explain the significance of maintenance information system with reference to the implementation of condition based maintenance.
(b) 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".
6. Write short notes on any four of the following :
 - (a) Total Productive Maintenance (TPM)
 - (b) Just In Time (JIT)
 - (c) Zero Breakdown
 - (d) Role of HRD in maintenance
 - (e) Time Based Maintenance
 - (f) Scheduling Policies in Maintenance.

www.ignouassignmentguru.com

No. of Printed Pages : 2

MS-57

01995

MANAGEMENT PROGRAMME

Term-End Examination

December, 2015

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

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

1. (a) What is corrective maintenance ? Explain some useful strategies for reducing corrective maintenance time.
(b) What are the elements of preventive maintenance ? Explain in brief.
2. (a) Discuss different functions of maintenance department.
(b) Discuss the significance of scheduling in plant maintenance. List out and describe various policies of scheduling applicable to maintenance.
3. (a) What do you understand by condition based maintenance system ? What are 'On-line' and 'Off-line' condition monitoring ? Briefly explain.
(b) 100% reliability of all the components of a machine or equipment is not always aimed to achieve. Explain with example.

4. (a) When does an organisation opt for contractual maintenance ? Explain with examples. What are its merits and demerits ? On what type of machines do you suggest this policy ?
(b) Discuss the role of a plant manager as safety manager in maintaining safety of the equipment, humans, assets and environment.
5. (a) Discuss the merits of Total Productive Maintenance (TPM) in the light of effectiveness of the system performance.
(b) Why should the maintenance function be audited ? Explain how maintenance audit helps in analysing performance factors.
6. Write short notes on **any four** of the following :
 - (a) Tero technology
 - (b) Maintenance costing and Budgeting
 - (c) Buffer Stock
 - (d) Overhauling of machines
 - (e) Maintenance Audit
 - (f) FIFO and LIFO

No. of Printed Pages : 2

MS-57

MANAGEMENT PROGRAMME

Term-End Examination

June, 2016

MS-57 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : (i) Answer any four questions.

(ii) All questions carry equal marks.

1. (a) Define maintenance. How can maintenance affect the life cycle profits of an equipment ?
(b) Discuss the advantages of condition based maintenance over preventive maintenance.
2. (a) What are the important components of a maintenance organization ? List some of the goals and objectives of maintenance organization.
(b) What intangible benefits can be expected from IT enabled maintenance operations ?
3. (a) Explain the methodology adopted to improve safety and environmental performance through maintenance management.
(b) Explain and give examples of Hard, Soft and Hybrid technologies used by World Class Companies in the context of TQM and maintenance management.

4. (a) Discuss in brief the economics of repair and replacement of equipment.
(b) What do you understand by Failure Modes and Effects Analysis (FMEA) ? What are the objectives of this process ?
5. (a) "Under Reliability Centred Maintenance (RCM) methodology, the problem is not a failure at all, it is the consequences of failure". Discuss.
(b) Explain the significance of maintenance information system with reference to the implementation of condition based maintenance.
6. Write short notes on any four of the following :
 - (a) Terotechnology
 - (b) Type of spare parts
 - (c) The human side of maintenance
 - (d) Pareto chart
 - (e) Zero Breakdown
 - (f) Chronic and Sporadic Losses

www.ignouassignmentguru.com

No. of Printed Pages : 2

MS-057

MANAGEMENT PROGRAMME

Term-End Examination

December, 2016

MS-057 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

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

1.
 - (a) What do you understand by preventive predictive maintenance ? How can it be implemented in any plant ?
 - (b) Discuss the objectives and benefits of maintenance planning and scheduling.
2.
 - (a) Describe the factors that are to be considered for evolving a best maintenance organization for an existing plant.
 - (b) Explain the conceptual model through which the maintenance function can achieve its objectives on a sustained basis.
3.
 - (a) What is maintainability ? Discuss elements of maintainability in brief.
 - (b) What can be done to improve the negative image and low self-concept of maintenance ?

4. (a) What is a 'bath-tub' curve ? Briefly describe the three regions into which the life cycle of a unit or device can be sub-divided.
- (b) How are replacement decisions taken in case of equipment/components subjected to sudden failure ?
5. (a) What parameters are used for machine vibration monitoring ? Mention the conditions under which they are used for machine condition monitoring.
- (b) Why should the maintenance function be audited ? Explain the steps involved in a 'maintenance audit'.
6. Write short notes on **any four** of the following :
- (a) Corrective maintenance.
- (b) Maintenance control.
- (c) Zero based budgeting for maintenance.
- (d) Computerized Maintenance Management System (CMMS) software.
- (e) Misconceptions about Reliability Centered Maintenance (RCM).
- (f) Predictive Maintenance.
-

No. of Printed Pages : 2

MS-057

00746

MANAGEMENT PROGRAMME

Term-End Examination

June, 2017

MS-057 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

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

1. What is preventive maintenance ? Explain different preventive maintenance tasks ? How is the total maintenance cost affected by the level of preventive maintenance ?
2. 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 ? Also describe the different types of spare parts and when are they used ?
3. How do the maintenance goals and objectives take care of safety goals of an organization ? What type of maintenance documentation do you think are important from safety and environmental point of view ? Elaborate.
4. What is meant by reliability and explain how is it different from quality ? It is said that "Availability is a more practical and appropriate measure of equipment performance". Discuss.

5. What is condition based maintenance ? What conditions should be satisfied so that condition based maintenance programme could be implemented ? Explain the key steps involved in implementing condition based maintenance in any plant.
6. What are the characteristics of planned maintenance ? Explain the working of a planned maintenance management system ? Discuss the minimum documents required to run a planned maintenance management system.
7. Write short notes on **any three** of the following :
 - (a) Objections to maintenance costing
 - (b) The human side of maintenance
 - (c) Failure Rate and Hazard Rate
 - (d) Vibration Analysis
 - (e) Chronic and Sporadic Losses

www.ignouassignmentguru.com

No. of Printed Pages : 2

MS-057

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) Zero-based Budgeting for Maintenance
 - (c) Elements of Maintainability
 - (d) Failure Modes and Effects Analysis (FMEA)
 - (e) Importance of Maintenance Audit

www.ignouassignmentguru.com

No. of Printed Pages : 2

MS-057

00165

MANAGEMENT PROGRAMME

Term-End Examination

June, 2018

MS-057 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : (i) Answer any five questions.

(ii) All questions carry equal marks.

1. What type of information you will be looking into before deciding a proper maintenance strategy ? Explain the procedure for choosing a suitable maintenance strategy.
2. What are the important components, goals and objectives of a maintenance organization ? Name the key issues affecting the maintenance organization structure.
3. "The liberalized economy is forcing Indian companies to establish Total Quality Management Systems. It is a struggle, which has just begun and Indian companies will continue to do so just to be in race lest they perish. Quality will be just a qualifier, not a competitive advantage anymore". Do you agree ? Why ?
4. What is meant by reliability and explain how it is different from quality ? Why is it said that availability is a more practical and appropriate measure of equipment performance ?

5. Explain the basis of identifying and analysing a problem, while making use of vibration monitoring technique. Name some of the instruments used for vibration monitoring.
6. What are the main differences between audits for safety and maintenance ? State reasons for your opinion as to whether maintenance audit should be mandated by law or not.
7. Write short notes on **any three** of the following :
 - (a) Basic maintenance planning principles
 - (b) Applications of maintenance costing
 - (c) Relationship between safety and environmental issues and maintenance management
 - (d) Preventive Maintenance
 - (e) Benefits of implementing RCM

ASSIGNMENT GURU

www.ignouassignmentguru.com

No. of Printed Pages : 2

MS-057

02303

MANAGEMENT PROGRAMME

Term-End Examination

December, 2018

MS-057 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : (i) Answer any five questions.

(ii) All questions carry equal marks.

1. What are the characteristics of planned maintenance? Explain the working of a planned maintenance management system? Also, highlight the benefits achieved by implementing planned maintenance.
2. What is the importance of maintenance budgeting? Give the advantages of Zero Based Budget.
3. Many organizations have standing conflicts amongst maintenance and production/operations employees. Describe the nature of these conflicts. What are the main causes?
4. Explain Time Value of Money. Find out its relevance in engineering operations covering acquisition, use, and retirement of assets relating to any organization of your choice.

5. What is condition based maintenance ? What conditions should be satisfied so that condition based maintenance programme could be implemented ?
6. "Maintenance Audit helps in analysing performance factors and suggest improvements"- Explain this statement with some examples.
7. Write short notes on **any three** of the following :
 - (a) Priorities used for maintenance work
 - (b) Benefits of IT enabled maintenance
 - (c) Maintainability
 - (d) Network planning for a maintenance shut down
 - (e) Significant causes of reduction of equipment utilization

ASSIGNMENT GURU

www.ignouassignmentguru.com

No. of Printed Pages : 3

MS-057

MANAGEMENT PROGRAMME

Term-End Examination, 2019

MS-057 : MAINTENANCE MANAGEMENT

Time : 3 Hours]

[Maximum Marks : 100

Note : Answer **any four** questions. All questions carry **equal** marks.

1. (a) What do you understand by preventive predictive maintenance ? How can it be implemented in any plant ?
(b) Discuss the objectives and benefits of maintenance planning and scheduling.
2. (a) Briefly describe the concept of reliability, maintainability and availability. Explain the procedure that might improve the reliability of a system.
(b) What is TPM ? What are the objectives of TPM ? Discuss the methods, tools and techniques to achieve the TPM.

3. (a) What parameters are used for machine vibration monitoring ? Mention the conditions under which they are used for machine condition monitoring.
- (b) Why should the maintenance function be audited ? Explain the steps involved in a "maintenance audit".
4. (a) Describe the methodology adopted to improve safety and environmental performance through maintenance management.
- (b) What do you understand by Failure Modes and Effects Analysis (FMEA) ? What are the objectives of this process ?
-
5. (a) When does an organisation opt for contractual maintenance ? Explain with examples. What are its merits and demerits ? On what type of machines do you suggest this policy ?
- (b) Discuss the role of plant manager as safety manager in maintaining safety of the equipment, humans, assets and environment.

6. Write short notes on **any four** of the following :

- (a) Terotechnology
- (b) Breakdown maintenance
- (c) Buffer stock
- (d) Just in time (JIT)
- (e) Time based maintenance
- (f) Zero based budgeting for maintenance

----- X -----

ASSIGNMENT GURU

www.ignouassignmentguru.com



www.ignouassignmentguru.com

No. of Printed Pages : 2

MS-55

M03334

MANAGEMENT PROGRAMME

Term-End Examination,

December 2019

**MS-55: LOGISTICS AND SUPPLY CHAIN
MANAGEMENT**

Time : 3 Hours]

[Maximum Marks : 100

*Note : (i) Attempt any four questions.
(ii) All questions carry equal marks.*

1. a) Explain the Key processes for an Integrated SCM as proposed by Lambert.
b) Can Supply Chain Management (SCM) be considered as a strategy for differentiation? Discuss.
2. a) Define SCM integration and describe strategies involved in SCM integration.
b) Discuss the key strategies included in Efficient Consumer Response (ECR).
3. a) Discuss the importance of out sourcing services like third and fourth party logistics in a Supply chain.
b) Why Vendor Managed Inventory (VMI) is recognized as an effective strategy for combating irregularities in the supply chain?

(2)

4. a) What is the future of brick and mortar education institutions given the revolution in the educational supply chain?
b) Describe four distinct phases of benchmarking for Supply chain management.
5. a) Discuss how a supply chain can be measured on dimensions like service, speed and assets.
b) Describe the various activities considered in Reverse Logistics.
6. a) What do you understand by Distribution Resource Planning (DRP - II)? How does it have an edge over Distribution Requirement Planning (DRP)?
b) Explain Activity based Costing. Discuss its benefits over management accounting.



www.ignouassignmentguru.com

No. of Printed Pages : 3

MS-55

Management Programme (MP)

Term-End Examination

June, 2020

**MS-55 : LOGISTICS AND SUPPLY
CHAIN MANAGEMENT**

Time : 3 Hours

Maximum Marks : 100

*Note : Answer any five questions. All questions
carry equal marks.*

1. "There are many possible structures for supply chain, but the simplest view has materials converging on an organization through tiers of suppliers and products diverging through tiers of customers." Elaborate.

P. T. O.

2. Explain global sourcing and its advantages and disadvantages. How can you arrive at the best course of action for global sourcing ?
3. "Materials requirement planning is the heart of the Manufacturing Resource Planning (MRP II)." Elaborate the statement. Also explain the materials requirements planning inputs in brief.
4. When Christopher says that "supply chains compete, not companies", what exactly does he mean ? Evaluate this statement from the cost point of view.
5. What are the relaxations of tax on goods across the various states in our country and can we overcome this by a single document procedure ?
6. "Successful supply chain design requires several decisions relating to the flow of

[3]

information, product and funds.” Explain the statement. Also explain the four types of supply chain strategies.

7. Write short notes on any *three* of the following :

- (a) Functional vs. innovative products : SCM issues
- (b) Integrating logistics
- (c) Role of software packages in supply chain management
- (d) Challenges faced in implementation of benchmarking
- (e) Green supply chain

MANAGEMENT PROGRAMME

Term-End Examination

February, 2021

MS-057 : MAINTENANCE MANAGEMENT

Time : 3 hours

Maximum Marks : 100

Note : Attempt any **five** questions. All questions carry equal marks.

1. "In Breakdown Maintenance the equipment is allowed to run to its breakdown and then it is maintained and put back into operation." Explain in the light of the above statement the important steps required to accomplish a corrective maintenance task.
2. 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 ? Also describe the different types of spare parts and the time of their usage.

3. “Total Quality Maintenance is derived from Total Quality Management.” Explain the statement in the light of relationships between TQM, TQC and TPM.
 4. “Overhauling of plant and equipment constitutes an important part of the preventive maintenance effort of a manufacturing organization.” Discuss.
 5. Why are audits important for Maintenance Management Systems ? What preliminary preparations are required before a maintenance audit can be commenced ? Elaborate.
 6. What do you understand by Failure Mode and Effects Analysis (FMEA) ? What are the objectives of this process ? Discuss in detail.
 7. Write short notes on any **three** of the following :
 - (a) Maintenance Scheduling
 - (b) Planning and Scheduling System
 - (c) Elements of Maintainability
 - (d) Replacement Decision
 - (e) Pareto Chart
 - (f) Pitfalls in Implementing RCM
-