

No. of Printed Pages : 2

**MS-56**

## MANAGEMENT PROGRAMME

Term-End Examination

December, 2011

### MS-56 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage 70%)

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

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1. (a) What are the objectives of materials management ? Discuss its importance and strategic role in any manufacturing organisation.
- (b) How does TQM support in creating customer value in materials management ?
2. (a) Briefly discuss the problems that a buyer may encounter while entering the international market for the first time.
- (b) Mention the basic principles and techniques to be followed in purchase by negotiation.

3. (a) Explain the material requirement planning (MRP) algorithm with the help of a flow chart.
- (b) Some people say just-in-time (JIT) is simply one more inventory control system. Do you agree with them? Why and why not?
4. (a) Discuss the role of PERT/CPM in controlling the WIP inventories.
- (b) Explain the LIFO method of inventory flow. When this method is used?
5. (a) Discuss the advantages and disadvantages of centralized warehouse and decentralized warehouse.
- (b) Describe various measures that can be adopted to prevent shrinkage in warehouse.
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6. (a) What is a Manufacturing Execution System (MES)? What benefits can be achieved by implementation of MES?
- (b) Explain the Balanced Scorecard approach for performance appraisal and discuss how is it useful in materials management.

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MS-56

02781

## MANAGEMENT PROGRAMME

Term-End Examination

June, 2012

### MS-56 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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

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1. (a) Discuss the value-added activities included in Material Logistics Management Program (MLM).
- (b) How does TQM support in creating value in materials management ?
  
2. (a) What is 'multiple sourcing' ? Does multiple sourcing leads to bad relations with suppliers ? why or why not ?
- (b) List the problems and risks in Vendor Networking. Discuss some preventive measures.

3. (a) Define dependent and independent demand inventory items. Also, make a distinction between them.  
(b) Discuss how schedules are established in Optimized Production Technology (OPT) 'by looking at all constraints simultaneously' ?
  
  4. (a) Is it possible to operate a manufacturing system with almost no work in process (WIP) inventory at all ? Why ?  
(b) What do you understand by FIFO and LIFO methods of inventory evaluation ?
  
  5. (a) Discuss the factors that influence the decision making process while locating the warehouse.  
(b) Discuss some methods of preserving materials from deterioration. Give some examples.
  
  6. (a) Explain why a firm would want to develop an Organization Chart for logistics ?  
(b) Explain the Balanced Scorecard Approach for performance Appraisal of Materials Management.
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No. of Printed Pages : 2

MS-56

02211

## MANAGEMENT PROGRAMME

Term-End Examination

December, 2012

### MS-56 : MATERIALS MANAGEMENT

*Time : 3 hours*

*Maximum Marks : 100*

*(Weightage : 70%)*

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

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1. (a) Describe the three interfaces that Materials Logistics Management (MLM) program covers.  
(b) Explain the role of materials management in conserving the environment.
2. (a) What is 'sub contracting'? Discuss its advantages and its effect on the output.  
(b) Explain the differences between purchase by competitive bidding and purchase by negotiation.
3. (a) Explain with the help of a flow diagram the required activities of a Manufacturing Planning & Control (MPC) system.

- (b) Explain the push-system with the help of Manufacturing Resources Planning (MRP-II) and the pull-system by Just-in-time production system (JIT).
4. (a) State the role of backlog list in a CONWIP system. What is the trigger of releasing jobs into production in a CONWIP based production line ?
- (b) Describe the most appropriate situation for the application of the specific cost inventory flow method.
5. (a) Discuss the stages of receiving procedure of incoming materials.
- (b) Describe the various measures that can be adopted to prevent shrinkage in warehouses.
- 
6. (a) Highlight the features of Manufacturing Execution System (MES) in achieving Total Quality Management (TQM).
- (b) What are the matrices of performance appraisal in materials management ?
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MS-56

01374

## MANAGEMENT PROGRAMME

Term-End Examination

June, 2013

### MS-56 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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

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1. (a) What do you understand by the term 'materials management' ? Briefly describe its functions.
- (b) Mention the four groups into which the Inventory carrying costs can be categorized. Briefly discuss them.
2. (a) Discuss the stages of source selection process. Which is the most critical stage as per your opinion ?
- (b) What typical questions are included in a make - or - buy checklist ? Give category wise details.

3. (a) Discuss the activity of materials planning and budgeting for production and manufacturing of end products.
- (b) Distinguish between :
- (i) MRP
  - (ii) MRP II
4. (a) Discuss Economic Order Quantity (EOQ) model with no shortages. What are the assumptions made in this model ? Explain.
- (b) Identify some factors influencing the WIP inventories.
5. (a) Is it always not possible to implement a good warehouse layout ? Comment on the management strategy keeping cost and time factors in mind.
- (b) Mention the losses due to warehousing systems. Give reasons for generation and accumulation of these losses.
6. (a) What does it mean when it is said that a firm has organized according to the materials management concept ?
- (b) Explicate the Balanced Score Card approach for control and performance appraisal of materials management.
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No. of Printed Pages : 2

MS-56

00615

## MANAGEMENT PROGRAMME

Term-End Examination

December, 2013

### MS-56 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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

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1. (a) What are the objectives of Materials Management ? What are the advantages ?

(b) Inventory management is an integral part of both operational and coordinating information flows. Explain.

2. (a) Describe the terms "sole source", "inside source" and "spacial source" with respect to source selection.

(b) List the problems and risks in supplier net working. What are the preventive measures that may be suggested in this context ?

3. (a) Define dependent and independent demand and bring out the distinction between dependent and the independent demand inventory items.
- (b) Distinguish between :
- (i) pull system (ii) push system
4. (a) Discuss Economic Order Quantity (EOQ) model with shortages. What are the assumptions made in this model ? Explain
- (b) Define the objectives of spare parts management in Materials Management. Also discuss the types of spare parts.
5. (a) Discuss the stages of the receiving procedure of incoming material in materials management.
- (b) Write short note on :
- (i) BIN cards
- (ii) Reservation of materials in stores
6. (a) Explain why a firm would want to develop an organization chart for logistics.
- (b) Explain the SCOR framework for performance appraisal of materials management.
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MS-56

## MANAGEMENT PROGRAMME

Term-End Examination

June, 2014

### MS-56 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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

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1. (a) Define Materials Management. Discuss the internal/external interface of Materials Management.  
(b) Discuss the role of Materials Management in decisions on making or buying the materials.
2. (a) Discuss the factors which are evaluated while analysing the sources of supply.  
(b) Briefly explain the procedure for International Purchase.
3. (a) Classify industries on the basis of distinction between production and manufacturing.

- (b) In Optimized Production Technology (OPT), the following statement is made :  
"An hour lost at a bottleneck is an hour lost for the total system". Explain the meaning of this statement.
4. (a) Discuss any two methods of controlling the "Work-in-process" (WIP) inventory.  
(b) Discuss some myths about the spare parts management.
5. (a) What is codification ? Discuss the Mnemonic System of codification.  
(b) Briefly discuss the factors that influence the location of a warehouse.
6. (a) Discuss the advantages of materials information management.  
(b) Why effective management of materials is crucial to the performance of an organisation ? Discuss.
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00201

## MANAGEMENT PROGRAMME

Term-End Examination

December, 2014

### MS-56 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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

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1. (a) Discuss the role of materials management in materials forecasting and forecasting of price.  
(b) How is focussed Human Resource a key to materials management effectiveness ?
2. (a) Briefly discuss the socio-economic factors in source selection.  
(b) Discuss the process of selection of suppliers for developing a supply chain network.
3. (a) List the primary objectives of most manufacturing organisations. How does materials planning help in this ? Explain.

- (b) One of the important shortcomings of Manufacturing Resources Planning (MRP II) is that it is a 'poor scheduler'. How can this shortcoming be overcome ?
4. (a) Discuss various effects of different types of production jobs on the Work-In-Process (WIP) inventories.
- (b) Briefly discuss the benefits of spare parts management.
5. (a) What is classification ? Discuss how materials be classified based on their usability ?
- (b) How do you position the materials in a store ? Describe.
6. (a) What is a Manufacturing Execution System (MES) ? What does it include ? Explain.
- (b) Explicate the Balanced Score Card approach for performance appraisal.
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No. of Printed Pages : 2

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## MANAGEMENT PROGRAMME

Term-End Examination

June, 2015

### MS-56 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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

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1. (a) Define materials management. Discuss the functions of material management.  
(b) Discuss the role of TQM in materials management. Also draw the materials management pyramid.
2. (a) Briefly discuss the factors that consist a typical make - or - buy checklist.  
(b) Explain the difference between purchase by competitive bidding and purchase by negotiation.
3. (a) Compare the push and pull methods of coordinating work centres.  
(b) When is the demand for a given inventory item termed as independent or dependent ? Explain with suitable examples.

4. (a) What are the cost elements in ordering costs, carrying costs and shortage costs ? Explain with examples.
- (b) How is customer affected if a company is maintaining a higher level of WIP ? Discuss.
  
5. (a) Discuss the role of simplification in stores management.
- (b) Classify, different types of equipments as used in stores for easy retrieval, into two categories. Give five examples of each of them.
  
6. (a) What do you understand by a materials information system ? Briefly discuss the advantages of a materials information system.
- (b) What do you understand by Inventory Turnover Ratio ? How can it be used to compare companies ?

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## MANAGEMENT PROGRAMME

Term-End Examination

December, 2015

### MS-56 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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

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1. (a) Why is it said that materials management procedures are strategically placed within an organisation? Explain your view.  
(b) Explain the role of materials management in conserving environment.
2. (a) What is 'Bill of Lading'? Discuss its importance.  
(b) Explain the 'problem of gifts' in context of Buyers-Sellers relationship.
3. (a) Explain the Material Requirement Planning (MRP) algorithm with the help of a flow chart.  
(b) Optimized Production Technology (OPT) embodies some basic rules of manufacturing that differ significantly from the traditional practice. Mention any four of them.

4. (a) CONWIP is considered applicable to production environments characterized by longer set - ups and fluctuating demand. Why ? Discuss your view.  
(b) Discuss the advantages and disadvantages of spare parts management.
  
5. (a) What is standardization ? Discuss the advantages and disadvantages of standardisation.  
(b) Briefly discuss the inspection methods in the receiving zection.
  
6. (a) Discuss some strategies for conflict resolution in a super-organization.  
(b) Distinguish between the Japanese approach and the US - European approach to materials management.

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## MANAGEMENT PROGRAMME

Term-End Examination

June, 2016

00972

### MS-56 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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

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1. (a) Material flow and information flow are equally important in the materials flow process. Why ?  
(b) Discuss the role of TQM in material management. Highlight the benefits.
2. (a) Describe "make or buy" decision making procedure.--What type of questions are included in a typical make or buy checklist ?  
(b) Describe the obligations of the purchasing manager to his or her own company.
3. (a) Explain why dependent demand inventory items do not need to be forecasted ? Give example.  
(b) Briefly explain the reason for the evolution of MRP II from MRP. How does MRP II differ from MRP ?

4. (a) How is customer affected if a company is maintaining a higher level of WIP ?  
(b) What problems are unique to spare parts that other materials do not exhibit ? Why do these problems occur ?
  
5. (a) What do you understand by standardisation ? How does standardisation lead to variety reduction ?  
(b) Discuss the safety considerations while designing and laying out the warehouse.
  
6. (a) What does it mean when we say a firm has organized according to the materials management concept ?  
(b) Describe the advantages of materials information systems. How are they important in the manufacturing process ?

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No. of Printed Pages : 2

MS-056

## MANAGEMENT PROGRAMME

Term-End Examination

December, 2016

### MS-056 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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

1. (a) What are the objectives of Materials Management ? What are its advantages ?  
(b) Explain the role of materials management in conserving environment.
2. (a) Discuss some approaches to negotiate with foreign suppliers. Why negotiation is important ?  
(b) How is the performance of purchasing function dependent on supplier development ?
3. (a) Discuss the activity of materials planning and budgeting for production and manufacturing of end products.  
(b) Some people say that Just-In-Time (JIT) is simply one more inventory control system. Do you agree with them ? Give reasons in support of your answer.

4. (a) CONWIP is considered applicable to production environments characterized by longer set-ups and fluctuating demand. Why ?
- (b) How does LIFO inventory flow method protect against "Inventory Profits" ?
5. (a) What do you understand by the term 'Codification' ? Discuss the decimal system of codification.
- (b) Discuss the various type of losses in warehouses. Briefly discuss the steps involved in prevention and control of these losses.
6. (a) Discuss the different type of controls needed in materials management.
- (b) Explain SCOR framework for performance appraisal. How is it useful in materials management ?

No. of Printed Pages : 2

MS-056

02186

## MANAGEMENT PROGRAMME

Term-End Examination

June, 2017

### MS-056 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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

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1. (a) Material flow and information flow are equally important in the material flow process. Elaborate.  
(b) Why is it said that focussed Human Resources Management acts as a key to Materials Management effectiveness ?
2. (a) Briefly discuss the various stages of the source selection process.  
(b) How is the performance of purchasing function dependent on supplier development ? Illustrate with an example.
3. (a) What are the various activities of materials management in manufacturing and process industries ? Elaborate the flow of materials with the help of a diagram.  
(b) MRP II evolved from MRP through a series of extensions to the functionality of MRP technique. Elaborate.

4. (a) Define inventory. What are the two sources of demand for inventory ?  
(b) Why is it said that a process inventory is the inventory of goods that are an essential part of the production process ?
  
5. (a) What is meant by the concept of simplification ? How this concept is closely related to standardisation ?  
(b) Describe the factors that influence the decision making while locating the warehouse.
  
6. (a) What are the advantages and disadvantages of organizing a purchasing department into specialized sub units ?  
(b) What is a safety stock ? How does it reduce the risk of stockout during the lead time ?

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No. of Printed Pages : 2

**MS-056**

## MANAGEMENT PROGRAMME

Term-End Examination

December, 2017

20000

**MS-056 : MATERIALS MANAGEMENT**

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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

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1. (a) Discuss the objectives and advantages of Materials Management in an organization.  
(b) Highlight some of the environmental issues in Materials Management.
2. (a) What is the importance of considering cultural aspects in international purchasing ?  
(b) "Sound ethical principles contribute towards better buyer-seller relationships". Comment !
3. (a) Briefly explain the importance of material planning and budgeting for production and manufacturing of end-products.  
(b) What is a 'Kan ban' system ? Briefly explain the operation of the 'Kan ban' scheduling system.

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P.T.O.

4. (a) Describe various costs associated with the inventory. Which one is often expressed as a percentage of inventory value per year ?  
(b) "A significant portion of a manufacturer's financial resources are involved in inventories stored at various points in the supply chain". Elaborate !
  
5. (a) What do you understand by the term codification ? Mention some advantages of codification.  
(b) Describe the receiving procedure of incoming material. Clearly mention the stages involved.
  
6. (a) Why an organizational structure is required for the management of the materials management function ?  
(b) Explain how a performance appraisal system can be used in the context of materials management.

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MS-056

01505

## MANAGEMENT PROGRAMME

Term-End Examination

June, 2018

### MS-056 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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- Note :
- (i) Answer *any five* questions.
  - (ii) All questions carry *equal* marks.
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1. Define materials management. What are the categories in which materials can be put? Discuss the functions of the materials management in detail.
2. Identify the elements that determine a stronger and longer buyer-seller relationship. Does multiple sourcing lead to a bad relationship with suppliers? Why or why not?
3. What is involved in material planning and budgeting? Briefly explain the importance of material planning citing the critical questions and the important decisions called for.
4. CONWIP is considered applicable to production environments characterized by longer, set-ups and fluctuating demand. Why? Justify your answer.

5. What do you understand by classification of materials ? How is the classification done on the basis of the nature of the materials and on the basis of their usability ?
  
6. What are the advantages of organizing a purchasing department into specialized sub units ? What are the disadvantages ? How can a firm overcome these disadvantages ?
  
7. Write short notes on any three of the following :
  - (a) TQM in Materials Management
  - (b) Selection of Foreign Suppliers
  - (c) Optimized Production Technology (OPT)
  - (d) FIFO method of inventory flow
  - (e) Preservation of material in stores

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No. of Printed Pages : 2

**MS-056**

00263

## MANAGEMENT PROGRAMME

Term-End Examination

December, 2018

### MS-056 : MATERIALS MANAGEMENT

Time : 3 hours

Maximum Marks : 100

(Weightage : 70%)

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- Note : (i) Answer any five questions.  
(ii) All questions carry equal marks.
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1. "Materials management contains an integrated process of materials flow, in, through and out of an organization". Comment on it and talk about the reasons behind it.
2. "Ethical conduct in purchasing depends, to a large extent, on the local culture to which the purchasing agents and suppliers belong". Do you agree or not ! Justify your answer.
3. What is a Just-in-time production system ? Discuss about the basic differences between the push and pull systems of linking work centres.
4. What are the different types of spare parts and when are they used ? Which problems are unique to spare parts that other materials do not exhibit ? Why do these problems occur ?

5. Discuss about the various actions to be taken to dispose the undesirable materials in the warehouses.
6. What is a Materials Information System ? Mention its advantages. Discuss in detail the functions of Materials Information System.
7. Write short notes on any three of the following :
  - (a) Logistics as Value-Creating Function
  - (b) Negotiation in purchasing
  - (c) 'Kanban' system
  - (d) CONWIP models
  - (e) Advantages of simplification



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02302

No. of Printed Pages : 2

**MS-056**

**MANAGEMENT PROGRAMME**

**Term-End Examination, 2019**

**MS-056 : MATERIALS MANAGEMENT**

**Time : 3 Hours]**

**[Maximum Marks : 100**

**(Weightage : 70%)**

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

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1. Materials Management has several core objectives and many secondary objectives. Describe them briefly. Also discuss the advantages of materials management.
2. As companies are forced by competition to improve the performance of their products, they, in turn, press the suppliers to upgrade their performance on quality, service and price. Do you agree or not ? Give reasons for your answer.
3. The striking aspect of JIT implementation by the Japanese companies is the extent to which the necessary preparatory steps are taken to enable JIT to occur. Discuss these important enablers of JIT.

4. Why is it said that a process inventory is the inventory of goods that are an essential part of the production process ? How is consumer affected if a company is maintaining a higher level of work-in-process (WIP) inventory ?
5. Discuss the role of warehouses in organization. What is the importance of warehouse location ? Identify the factors that influence the decision-making process while locating the warehouse.
6. Describe the information systems as used in materials management and explain their importance in manufacturing process.
7. Write short notes on **any three** of the following :
  - (a) Bill of Lading
  - (b) Optimized Production Technology (OPT)
  - (c) Inventory modelling
  - (d) Effective Point Advice (EPA)
  - (e) Balanced Score Card approach for performance appraisal.

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No. of Printed Pages : 2

MS-054

## MANAGEMENT PROGRAMME

### Term-End Examination

December, 2019

### MS-054 : MANAGEMENT OF INFORMATION SYSTEMS

Time : 3 hours

Maximum Marks : 100  
(Weightage : 70%)

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

1. (a) Define structured and unstructured decisions by giving examples for each. Explain the rational individual models of decision-making.
- (b) What are the various roles played by business information in an organisation ?
2. (a) Describe the major phases in MIS design. Compare these phases with phases of Research and Development project.
- (b) "Analysis is the "What" of the system whereas design is the "How" of the system." Comment in detail.

3. (a) Explain in detail with examples, what are the characteristics which go into the making of a high quality information system.
- (b) What are the various stages of a system development life cycle and how are the efforts distributed over these phases ?
4. (a) What are the expert systems and how do they help in decision-making ? Give examples to illustrate the same.
- (b) Explain the various topology alternatives available for designing a Computer Network.
5. (a) What are the main disadvantages of separately developing application systems and their associated data files ?
- (b) What are the various kinds of switching networks ? Explain briefly.
6. (a) Why should an organisation be careful about placing over reliance on “benchmark” tests in selecting a DBMS ? Explain.
- (b) Why should there be laws against benign computer virus makers ? What harm can they cause to your computers ? Explain with examples.
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No. of Printed Pages : 3

**MS-54**

**MANAGEMENT PROGRAMME (MP)**

**Term-End Examination**

**June, 2020**

**MS-54 : MANAGEMENT OF INFORMATION  
SYSTEMS**

*Time : 3 Hours*

*Maximum Marks : 100*

*Weightage : 70%*

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

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

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1. (a) Define Management Information System and discuss various characteristics expected of a good MIS.  
(b) Evaluate critical success factor method for the purpose of information requirement analysis.

**P. T. O.**

2. (a) How much importance should be accorded to implementation phase as part of the total MIS development activity ? Explain. Briefly discuss the various implementation strategies.
- (b) What are the typical functional information subsystems in an organization ? Discuss.
3. (a) What are expert systems and how do they help in decision-making ? Give examples to illustrate the same.
- (b) What kind of decisions can be appropriately programmed on expert system ? Give examples.
4. (a) List and describe the various topology alternatives available for designing a computer network.

[ 3 ]

- (b) What is the effect of normalization on database storage and database performance ?
5. (a) Discuss the evolution of software systems and its application in business organisation.
- (b) What are the main functions of data communication software ?
6. (a) Briefly describe Relational Database Management System.
- (b) Differentiate among Trojans, Worms and Viruses. Give *one* example of each.

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## MANAGEMENT PROGRAMME

### Term-End Examination

February, 2021

### MS-056 : MATERIALS MANAGEMENT

*Time : 3 hours*

*Maximum Marks : 100*

*(Weightage : 70%)*

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

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1. The materials management for an organization is very important. Discuss the role of Materials Management in various organizational functional activities.
2. Describe the four main stages of source selection process. What is the most critical stage in source selection as per your opinion ? Give reasons for your answer.
3. Discuss the use of Material Requirements Planning (MRP) in Continuous Process Industries. The use of computer can greatly ease the problems of implementation of MRP in such industries. Comment.

4. Describe six stages of life cycle of spare parts management and highlight the importance of each stage.
  5. What are the essential requirements that a coding system should satisfy ? Explain the different systems used to codify materials.
  6. What are the advantages of organizing a purchasing department into specialized sub-units ? What are the disadvantages ? How can a firm overcome these disadvantages ?
  7. Write short notes on any *three* of the following :
    - (a) The Materials Management Pyramid
    - (b) Reasons for International Purchase
    - (c) Optimized Production Technology (OPT)
    - (d) Problems in valuation for finished goods and work-in-process inventory
    - (e) Supply Chain Operations Reference (SCOR) Model
-