



Dr. V. N. Bedekar Institute of Management, Thane
Teaching Plan (MMS)
Academic Year (2015-2016)

Programme Name: MMS

Name of the Course: Materials Management & Transportation

Maximum marks: 100

No. of Sessions: 15

Name of the Faculty: Ms. Vibhuti Save

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Weblink: NA

Learning Objectives:

- Be developed to operate accurately, delivering the right materials in the right quantities to the right locations
 - Be designed to deliver materials without damage
 - To maintain a high inventory turnover, by reducing excess storage, carrying costs and inventory losses occurring due to deteriorations, obsolescence and pilferage
 - To minimize the overall cost of acquisition by improving the efficiency of operations and procedures
 - To develop and maintain good supplier relationships in order to create a supplier attitude and desire furnish the organisation with new ideas, products, and better prices and service
 - To maintain good records and controls that provide an audit trail and ensure efficiency and honesty
 - To participate in Make or Buy decisions
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Reference Books:

1. Materials and Logistics Management By Prof. L.C. Jhamb (Everest Publishing House, Pune).
 2. Purchasing and Materials Management By P.Gopalkrishnan (Tata McGraw Hill, New Delhi).
 3. Materials Management –An integrated approach By P.Gopalkrishnan and M. Sundaresan (Prentice-Hall India, New Delhi).
 4. Materials Management-Procedures, Text and Cases By A.K. Datta (Prentice-Hall India, New (Delhi).
 5. Introduction to Materials Management By JR Tony Arnold and Stephan Chapman (Pearson Education, New Delhi) 2004 Fifth Edition.
 6. Purchasing and Materials Management By N.K.Nair (Vikas Publishing House, New (Delhi).
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Plan:

Session No	Topics to be covered	References-Print/Online	Learning outcomes
1	Materials Management an overview	1 st chapter of Materials & Logistics Management by Prof. L.C. JHAMB	<ul style="list-style-type: none">• Functions of materials management• Importance of MM• Cost involved in MM• Inter-departmental relationship



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2	Materials Planning	2 nd chapter of Materials & Logistics Management by Prof. L.C. JHAMB	<ul style="list-style-type: none"> • Techniques of MM • MRP • BOM
3	Purchasing	5 th & 6 th chapter of Materials Management –Procedures, Text & Cases by A. K. Datta	<ul style="list-style-type: none"> • Purchasing principle • Sources of supply • Vendor development • Price-cost analysis • Legal aspects of purchasing
4	Purchasing & Procurement Activities under Materials Management	<ol style="list-style-type: none"> 1. 7th chapter of Materials Management – Procedures, Text & Cases by A. K. Datta 2. 4th chapter of Materials & Logistics Management by Prof. L.C. JHAMB 	<ul style="list-style-type: none"> • Quality assurance program • Buyer-supplier relationship • Elements of procurement cycle
5	Purchasing of Capital Equipment	14 th chapter of Materials Management –An integrated approach By P. Gopalkrishnan and M. Sundaresan	<ul style="list-style-type: none"> • Evaluation of bids • Purchase Vs lease • Purchase of used equipment • Role of purchasing committees
6	International procurement-Imports	13 th chapter of Materials Management-Procedures, Text and Cases By A.K. Datta	<ul style="list-style-type: none"> • Import procedures and documentation • Identification of foreign sources. • Types of L/Cs. • Bill of Lading and other documents.
7	Classification of Materials	11 th chapter of Materials and Logistics Management By Prof. L.C. Jhamb	<ul style="list-style-type: none"> • Classification on the basis of stage of conversion process • Classification on the basis of nature of materials. • Classification on the basis of usability of materials. • Types of inventories.
8	Materials receipt & Stores	7 th chapter of Materials and Logistics Management By Prof. L.C. Jhamb	<ul style="list-style-type: none"> • Types of stores • Store location and layout • Storing practices and identification of materials.
9	Codification	12 th chapter of Materials and Logistics Management By Prof. L.C. Jhamb	<ul style="list-style-type: none"> • Benefits of codification. \ • Stages of scientific codification. • Systems of codification. • Colour coding
10	Standardization	13 th chapter of Materials and Logistics Management By Prof. L.C. Jhamb	<ul style="list-style-type: none"> • different levels of standards • Advantages of Standardization. • Standardization as a tool for variety reduction



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11	Obsolete, Surplus & Scrap Management	25 th chapter of Materials Management –An integrated approach By P.Gopalkrishnan and M. Sundaresan	<ul style="list-style-type: none"> • Need for Scrap yard • Categorization of obsolete/ surplus. • Control of scrap/ obsolescence. • Responsibility for disposal. • Procedures and documentation for disposal of scrap
12	Stores Accounting & Stock verification	24 th chapter of Materials Management –An integrated approach By P. Gopalkrishnan and M. Sundaresan	<ul style="list-style-type: none"> • Costing of Receipt of Materials. • Costing of Issues to Production. • Stock verification • Periodic Verification. • Perpetual Verification.
13	Computers in Materials Management	10 th chapter of Materials and Logistics Management By Prof. L.C. Jhamb	<ul style="list-style-type: none"> • Database for Materials Management Systems. • Activities of Materials Management covered by Computerization. • Management reports on Materials.
14	Ethics in Material Management	42 nd chapter of Purchasing and Materials Management By P. Gopalkrishnan	<ul style="list-style-type: none"> • Business Ethics • Ethics in buying • Problems in Ethics
15	Material Transportation	13 th chapter of Introduction to Materials Management By JR Tony Arnold and Stephan Chapman	<ul style="list-style-type: none"> • Transportation Modes / Attributes • Total cost concept in Material Handling and Transportation



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Evaluation:

I) Internal:

Component	Details	Marks
Class Test	20 marks class test: 15 Marks MCQs & 5 Marks problem	20
Presentation	Practical Projects on Materials Management	10
Case Study	Group discussions & debates	5
Participation		
Others	Attendance	5

II) External:
(Sample questions)

- Q1. Explain classification of material on the basis of usability of materials
- Q2. Discuss in details how standardisation can assist management in any four of the following areas:
- i. Better inventory control
 - ii. Reduction in manufacturing cost
 - iii. Quality improvement
 - iv. Minimisation of obsolete and dormant stock
 - v. Economics in purchasing
 - vi. Better stores management
- Q3. How does an effective system of electronic data processing help in materials management?
- Q4. Write short notes on:
- a) Bill of lading
 - b) Custom tariff
 - c) Colour coding
 - d) Store location & layout
 - e) Ethics in buying
 - f) MRP

Signature of Faculty

Signature of the Co-ordinator