

Supply Chain and Logistics Management

Semester V

Subject Code: BB51701

Lectures: 60

Objectives:

The syllabus aims in equipping students with,

- The fundamental processes and components of Supply Chain Management
- An understanding of how supply chain strategy can provide a competitive advantage for organizations
- The issues in core functions in materials and logistics management
- An insight into the competitive approach to Warehousing and Distribution
- Making Inventory decisions that strikes a balance between inventory investment and control
- The key activities performed by the logistics function including distribution, transportation and global logistics

Unit 1:Supply Chain Management

08

- Concept, objectives, significance
- Process view of a Supply Chain Cycle : Push Pull View
- Components of supply chain
- Achieving Tradeoff between Customer Service and Cost
- Green Supply Chain Management
- Role and Future of IT in the Supply Chain
- E-Business and the Supply Chain

Unit 2:Physical distribution

08

- Definition, Importance, Participants in Physical Distribution Process
- Marketing Channel
 - Marketing Channels for Consumer Goods
 - Marketing Channels for Industrial Goods
 - Marketing Channels for Services
- Different forms of channels
 - Unconventional channels
 - Integrated Marketing Channel
- Role of IT in Physical Distribution



Unit 3:Procurement and Warehouse Management	10
<ul style="list-style-type: none">• Procurement<ul style="list-style-type: none">➢ Supplier Management➢ Management Supplier Selection➢ Tendering, E-Tendering, Negotiation• Warehouse Management<ul style="list-style-type: none">➢ Types of Warehousing (General, Specific, Bonded, Bulk Storage, Refrigerated)➢ Operating Principles of Warehouse Design (Design Criteria, Handling Technology, Storage Plan)➢ Warehouse Layout Docking and Marshalling➢ Warehouse Safety Management➢ Factors for Ideal Warehouses	

Unit 4:Inventory (Theory and Problems)	14
<ul style="list-style-type: none">• Need and Types of Inventory• Costs associated with Inventory• Inventory Levels• Basic EOQ Model (EOQ and EOQ with Discounts)• ABC Analysis• Stacking and Racking System: Last In First Out & First In First Out	

Unit 5: Logistics Management	08
<ul style="list-style-type: none">• Concept and Significance• Forms of Logistics Operations (Maritime Logistics, Land Logistics, Express Delivery, City Logistics)• The Economics of Logistics• Cost Associated with Logistics• Logistics in International Trade• Logistics outsourcing :<ul style="list-style-type: none">➢ Third Party Logistics (3PLs)➢ Fourth Party Logistics (4PLs)• Future Prospects of logistics	

***Contact hours – 12 hours**



Recommended Text Books:-

1. *Supply & Chain Logistics*, Mangesh P. Waghmare, Vision Publication (2010), First Edition
2. *Principles and Practices of Costing*, Sunita Pokharna, Success Publications, Pune

Reference Books:-

1. Sunil Chopra, Peter Meindl, *Supply Chain Management*, Pearson Education Inc., 2006-2nd Edition
2. L.C. Jhamb, *Inventory Management*, Everest Publishing House(2002), Eleventh Revised Edition
3. Vinod V. Sople, *Supply Chain Management (Texts & Cases)*, Pearson Education Inc. 2012, First Impression
4. Meenal Dhotre, *Channel Management & Retail Marketing*, Himalaya Publishing House (2008), First Edition
5. Ballow Ronald. H, *Business Logistics Supply Chain Management*, Pearson, New Delhi, 5th Edition
6. Grant David. B, Trautrim Alexander, *Kogan Page, Sustainability Logistics & Supply Chain Management*, New Delhi, 2013

