

Supply Chain and Logistics Management

Semester V	Subject Code: BB51701	Lectures: 60
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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
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • Definition, Importance, Participants in Physical Distribution Process • Marketing Channel <ul style="list-style-type: none"> ➤ Marketing Channels for Consumer Goods ➤ Marketing Channels for Industrial Goods ➤ Marketing Channels for Services • Different forms of channels <ul style="list-style-type: none"> ➤ 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. Ballou 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

