

Course Code	Course Title	C	H	I	E	T
17U3KSM3	Logistics and Supply Chain Management	2	30	25	75	100
Learning Objectives <ul style="list-style-type: none"> • To get an exposure on Logistics and Supply chain Management and its relevance in current environment • To acquire skill on Warehousing and effective Transport management system • To learn and recognize Logistic Information system 						
Learning Outcomes: Knowledge on Logistics and Supply Chain Management, Warehousing and Transportation						

Unit – I An Introduction to Logistics and Supply Chain Management

Introduction – Definition of Logistics – Definition of Supply Chain – Importance of Logistics and Supply Chain – Objectives of Business Logistics – Logistics and Supply chain Management - Functions of Logistics Management – Supply Chain Macro Processes in a Firm.

Unit – II Supply Chain Relationships

Channel Structure – Relationship Management – Channel Relationships – Leadership – Logistical Service Alliances – Factors Stimulating service based alliances – Various Approaches to Study Channels – Description Institutional Approach – Graphic Approach – Commodity Grouping – Functional Treatments - Channel Arrangement Classification – Conditions for successful Supply Chain Relationships.

Unit – III Warehouse Management

Storage Functionality and Principles – Strategic Storage – Warehouse Benefits – Service Benefits of Warehousing – Types of Warehouses – Private warehouses – Public Warehouses – Functions of Public Warehouses – Documents used in public warehouses.

Unit – IV Transportation

Introduction – Importance - Effective Transportation System - Modes of Transportation – Air – Package Carriers – Trucks – Truck Vs Rail – Water / Transport Pipeline – Intermodal / Transportation – Trailer on Flatcar (TOFC) or Piggyback Container on Flat Car (COFC) – Coordinated air truck – CONCOR.

Unit – V Logistic Information System

Information functionality – Linking Logistics into an Integrated Process – Principles of Logistics information – Information Architecture – Operations – Applications of information technologies – Electronic Data Interchange (EDI) – Personal Computers – Artificial Intelligence or Expert system – Communication – Bar Coding and Scanning.

Book for Study

Dr. L. Natarajan, *Logistics and Supply Chain Management*, 2014, Margham Publications, Chennai.

Books for Reference

1. K.Shridhara Bhat, *Logistic Management*, Himalaya Publishing House, Mumbai
2. Donald I Rowerson, David J. Closs & M. Bixby Cooper, *Supply Chain Logistic Management*, McGraw- Hill Higher Education,
3. Martin Christopher, *Logistic & Supply Chain Management*, Pearson, Publisher, Bengaluru.
4. www.investopedia.com
5. www.shopify.com