

## General Elective Course- 6.3 (GE-6.3): Logistics Management

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
GE-6.3 Logistics Management	4	3	1	0	Pass in Class XII	NIL

### Learning Objectives:

The course aims to acquaint the student with the concept, tools and importance of Distribution logistics in Marketing.

**Learning Outcomes:** After completion of the course, learners will be able to :

1. Describe the basics of logistics management.
2. Discuss the distribution channels and their importance.
3. Evaluate the various modes of transportation for distribution.
4. Demonstrate the basic knowledge about the various tools for operational efficiency.
5. Analyse how the advanced technology used in distribution logistics.

### SYLLABUS OF GE-6.3

#### Unit 1 Introduction to Logistics (5 hours)

Introduction to Logistics: Concept, Evolution, Components and Process. Dimensions of Logistics – Micro and Macro; inbound, outbound, Value-Added Role of Logistics.

#### Unit 2: Distribution Strategy (11 hours)

Distribution Strategy – Meaning, Marketing channels: nature and importance, conventional and emerging channels, role of online sales and supply chain; Designing strategic distribution network; Factors influencing distribution network.

#### Unit 3: Transportation and Warehousing Decision ( 9 hours)

Transportation and Warehousing Decision - Role and importance. Factors influencing transportation and warehousing decisions. Importance of Multimodal Transport and containerization. Cost effectiveness of various modes of transport and types of warehouses.

#### Unit 4: Operational Efficiency and its tools ( 11 hours)

Operational Efficiency and its tools: Inventory Management: introduction, objectives, types and importance, EOQ and JIT approach. Third and fourth-party logistic outsourcing—challenges and future directions.

### **Unit 5: Technology in Logistics ( 9 hours)**

Overview of AI in Logistics, Robotics, Block Chain, Reverse Logistics, Re-engineering the supply chain, RFID, EDI, Bar coding.

#### **Exercises:**

The learners are required to:

1. Discuss case studies of firms for logistics management.
2. Analyse the impact of transportation modes.
3. Critically examine the role of transportation modes for distribution.
4. Comment on functional applications – HR, marketing, operations, finance, IT.
5. Explain the role of artificial intelligence in distribution logistics.

#### **Suggested Readings:**

- Bloomberg, D. J., & Lemay, S. (2015). *Logistics*. (8<sup>th</sup> ed.). India: Pearson Education India.
- Bozarth, C. C., & Handfield, R. B. (2015). *Introduction to operations and supply chain management*. (5<sup>th</sup> ed.). Pearson Education.
- Chopra, S., & Meindl, P. (2007). *Supply chain management: strategy, planning and operation*. (6<sup>th</sup> ed.). India: Pearson Education.
- Hult, M. G., Closs, D., & Frayer, D. (2014). *Global supply chain management: leveraging processes, measurements, and tools for strategic corporate advantage*. United States: McGraw Hill Ltd.
- Shapiro, J. F. (2007). *Modelling the supply chain*. (2<sup>nd</sup> ed.). India: Cengage India Pvt. Ltd.
- Simchi-Levi, D., Kaminsky, P., Simchi-Levi, E., & Shankar, R. (2008). *Designing and managing the supply chain*. (3<sup>rd</sup> ed.). India: Tata McGraw-Hill Education.

**Note: Suggested readings will be updated by the Department of Commerce and uploaded on the Department's website.**