

TRANSPORT SYSTEMS AND LOGISTIC MANAGEMENT

CLASS–XII

**LOGISTICS, OPERATIONS AND SUPPLY CHAIN
MANAGEMENT (750)**

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THEORY

Time: 3 Hours

Marks: 60

Unit-1: Logistics and System Concept, Objectives and Role of Logistics **10**

- Logistics and System concept - Information flow, warehousing, inventory control, packaging, transportation.
- Objectives of logistics management.
- Role of logistics in supply chain.
- 3 PL & 4 PL Logistics.
- Careers & growth in Logistics and Supply Chain.

Unit-2: Inventory Management **15**

- Inventory management and supply chain.
- Inventory functions and cost.
- Inventory related cost.
- Functions of Inventory management in supply chain operations.

Unit-3: Freight Management **10**

- Freight Management - factors influencing freight cost, route planning.
- Packaging for safe product handling and in Logistic Operations.
- Containerization - its scope and types, its uses.

Unit-4: Logistic Management and Information Technology **15**

- Logistics operation and Information technology - New trends - GPRS, RFID, Bar code, Radio Frequency Tag (RFT), E-commerce.
- Documentation for domestic and international trade cargoes, International Chamber of Commerce Terms.
- Sea borne trade - Ports and Ships management in India.
- Logistics and Supply Chain uses in World Industry.

Unit-5: Emerging Issues in SCM and Logistics **10**

- Statutory Provisions dealing transport – Multi modal Transport Act-1993.
- Motor Vehicles Act 1988 - driving rules.
- Insurance coverage - Marine insurance, road, rail, sea, air etc.
- Insurance Claims.

PRACTICAL

Time: 2 Hours

Marks: 40

Preparation of Different Documents used in –

1. Domestic cargoes. **20**
2. International cargoes. **20**