

## **(18) Logistics Management**

### **Unit I**

Introduction to logistics management- Definition, scope, functions, objectives - Integrated logistics management, role of logistics in the Supply chain - Logistics & customer service. Role of logistics in competitive strategy. Logistics organization & performance measurement, ERP – SAP – ORACLE

### **Unit II**

Inventory planning, inventory costs, classifying inventory. Nature & importance of warehousing, types of warehouses, warehousing functions. warehouse layout & design. Material handling- objectives, guidelines & principles, selection of material handling equipments. Packaging-role of packaging, packaging materials, consumer & industrial packaging, material handling efficiency.

### **Unit III**

Transportation- role of transportation in logistics, transportation selection decision, basic modes of transportation- Rail, Road, Water, Air, Pipeline- characteristics of different modes- transport economics - Inter modal operations.

### **Unit IV**

Containerization-concept, types, benefits, Types of carriers- indirect & special carriers. Role of intermediaries- shipping agents, brokers- freight management- route planning. Role of ports, ICDs, CONCOR - Global shipping options.

### **Unit V**

Reverse logistics- scope, design, e-logistics- logistics information system-application of IT in logistics- automatic identification technologies- bar coding, RFID. Logistics outsourcing- 3PL & 4PL. Global logistics- operational & strategic issues.