

SARDAR PATEL UNIVERSITY
Programme: Bachelor of Vocation (Supply Chain and Logistics)
Semester: II
Syllabus with effect from: December 2015

Paper Code: UB02CBVS01	Total Credits: 5
Title Of Paper: Supply chain & Logistics – II	

Unit	Description in detail	Weightage (%)
1	Demand Forecasting and Supply: Role of forecasting – demand forecasting – approaches – role of IT. Planning and Managing Inventories- Safety inventory and its appropriate level Impact of supply uncertainty, aggregation and replenishment policies.	25%
2	Transportation Networks and Sourcing: Role of transportation modes and their performance transportation infrastructure and policies Design options and their trade-offs – Tailored transportation. Sourcing – In-house or Outsource – supplier scoring and assessment	25%
3	Containerization: concept, types, benefits, Types of carriers- indirect & special carriers Role of intermediaries- shipping agents, brokers- freight management- route planning	25%
4	Warehousing & Material Handling: Warehousing: Nature & importance of warehousing, types of warehouses, warehousing functions, Material Handling: Material handling -objectives, guidelines & principles, Selection of material handling equipments.	25%

Basic Text & Reference Books:

- **Ailawadi C Sathish & Rakesh Singh**, LOGISTICS MANAGEMENT, Prentice Hall, India,2005
- **Agrawal D K**, TEXTBOOK OF LOGISTICS & SUPPLY CHAIN MANAGEMENT , Macmillan India Ltd, 2003
- **Coyle et al.**, THE MANAGEMENT OF BUSINESS LOGISTICS, Thomson Learning, 7th edition,2004
- **Bowersox Donald J**, LOGISTICAL MANAGEMENT- THE INTEGRATED SUPPLY CHAIN PROCESS, Tata McGraw Hill, 2000

