

3 rd semester	21MBA304J	Inventory & Logistic Management	L-T-P 3-0-0	3 credits	35 Hours
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Course Objective:

- To understand the principles of logistics management
- To understand the logistics role in the economy and the organization

Module-I

Introduction to Inventory Management – Its types and functionality, Selective Inventory Control, Inventory Costs and Inventory Replenishment, Production, Planning, Control and Forecasting, Materials Requirement Planning and Spare Parts Inventory, Stores Management, Accounting for Inventory and JIT (Just – In – Time).

Module-II

Logistics management and Supply Chain management - Definition, Evolution, Importance. The concepts of logistics. Logistics relationships. Functional applications – HR, Marketing, Operations, Finance, IT. Logistics Organization - Logistics in different industries.

Logistics Activities: – functions, objectives, solution. Customer Service, Warehousing and Material Storage, Material Handling, order processing, information handling and procurement Transportation and Packaging. Third-party and fourth-party logistics - Reverse Logistics - Global Logistics.

Module-III

Modelling logistics systems - Simulation of logistic systems - Dimensions of Logistics & SCM – The Macro perspective and the macro dimension – Logistic system analysis strategy, Logistical Operations Integration, Customer service – Supply Chain Relationships

Books:

- Bower sox. Supply Chain Logistics Management: Mc Graw Hill.
- Bowersox,. Logistical Management: Mc-Graw Hill,
- Reguram G, Rangaraj N. Logistics and Supply Chain Management Cases and Concepts: Macmillan India Ltd., New Delhi.
- Sahay B. S. Supply Chain Management for Global Competitiveness: Macmillan India Ltd., New Delhi.
- Production & Operations Management, Prof. Mahadeven ,IIM Bangalore
- Achieving effective inventory management by John Schreibfeder

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