

**Model Syllabus for Logistics (Minor) inconsonance with
Curriculum framework w.e.f. AY 2026-27**

COURSE STRUCTURE

Year	Semester	Course	Title of the Course	No. of Hrs /Week	No. of Credits
II	III	1	Logistics Concepts and Planning	4	4

SEMESTER-III

COURSE1: LOGISTICS CONCEPTS AND PLANNING

Theory

Credits: 4

4hrs/week

Course Objectives

The course is designed to:

- Understand and explain the foundational principles, concepts, and processes of accounting, including classification and rules of debit and credit;
- Record and process business transactions through journals, ledgers, subsidiary books, and correct errors through rectification entries;
- Apply and compare different methods of depreciation and amortization to account for asset value reduction;
- Identify and distinguish between provisions and reserves and apply their treatment in final accounts with suitable adjustments; and
- Prepare accurate final accounts (Trading, Profit & Loss, and Balance Sheet) incorporating necessary adjustments.

Course Outcomes (COs)

Upon successful completion of this course, students will be able to:

CO1: Provide a fundamental understanding of the concept, functions, and types of retailing and its relevance in the Indian economy.

CO2: Analyze retail consumer behavior and decision-making processes for effective market segmentation and targeting.

CO3: Explore the significance of retail locations and apply site selection criteria and strategies for retail success.

CO4: Understand the principles of retail store design, layout planning, and visual merchandising techniques.

CO5: Examine retail operations including pricing, inventory management, customer service, and space utilization for enhanced efficiency.

Unit I: Introduction Logistics:

Introduction –Scope of logistics in business, Logistics and Supply Chain Management, Core and support activities of logistics; Logistical integration hierarchy; Integrated Logistics; Operating objectives; Barriers internal integration; Logistical performance cycles; Supply chain relationships– Channel participants, Channel structure, Basic functions, Risk, power and leadership.

Unit II: Logistics System Design:

Logistics reengineering, Logistical environmental assessment, Time based logistics, Anticipatory and Response based strategies, Alternative strategies, Logistical operational arrangements, Time based control techniques; Integration theory – Location structure, Transportation economies, Inventory economies, Formulating logistics strategy.

Unit III: Logistics Strategy and Planning:

Logistics planning triangle, Network appraisal; Guidelines for strategy formulation – total cost concept, Setting customer service level, Setting number of warehouses in logistics system, Setting safety stock levels, Differential distribution, Postponement, Consolidation, Selecting proper channel strategy.

Unit IV: Inventory and Purchasing:

Review – Inventory and purchasing decisions; Multi facility location problems – Exact method, Heuristic methods, other methods; Logistics planning and design – Feasibility analysis, Project planning, Assumptions and data collection, Analysis, Development of recommendation, Implementation.

Unit V: Location Decisions:

Planning and design techniques – Logistics adhoc analysis, Location analysis, Inventory analysis, Transportation analysis.

Activities:

- Assignments on classification of accounts and journalizing business transactions
- Hands-on workshop on ledger posting and preparation of trial balance
- Group discussion on depreciation methods and impact on financial statements
- Field visit to a local retail store or business firm to observe real-time accounting processes
- Quiz programs covering concepts of reserves, provisions, and final accounts adjustments
- Student-led presentations on final account preparation with adjustments
- Peer-to-peer teaching session simulating end-of-year financial closing activities
- Case study analysis involving common errors in accounting and rectification methods

References:

1. PierreA. David International Logistics: the Management of International Trade Operations 5th Edition 2017.
2. R.H.Ballou, Business Logistics Management, Prentice-Hall,2004
3. Richard Lloyd Successful Integrated Planning for the Supply Chain: Key Organizational and Human Dynamics Kogan Page; 1 edition March 2018
4. JohnJ.Coyle, Edward J. Bardiand C. John Langley Jr., The Management of Business Logistics- A supply chain Perspective, Thomson Business Information,10th edition 2016.
5. VinodV.Sople, Logistics Management, Pearson Education,2nd edition2009

MODEL QUESTION PAPER
SEMESTER-III
COURSE 1: LOGISTICS CONCEPTS AND PLANNING
(w.e.f. 2026-27)

Time : 3Hrs

Max Marks 75

SECTION - A

Answer any Five of the following

5 X 3= 15 Marks

1. Short answer question from Unit-1
2. Short answer question from Unit-1
3. Short answer question from Unit-2
4. Short answer question from Unit-2
5. Short answer question from Unit-3
6. Short answer question from Unit-3
7. Short answer question from Unit-4
8. Short answer question from Unit-4
9. Short answer question from Unit-5
10. Short answer question from Unit-5

SECTION - B

Answer Five of the following One question from each Unit. 5 X 12= 60 Marks

11. Long answer question from Unit-1
- OR**
12. Long answer question from Unit-1
13. Long answer question from Unit-2
- OR**
14. Long answer question from Unit-2
15. Long answer question from Unit-3
- OR**
16. Long answer question from Unit-3
17. Long answer question from Unit-4
- OR**
18. Long answer question from Unit-4
19. Long answer question from Unit-5
- OR**
20. Long answer question from Unit-5