

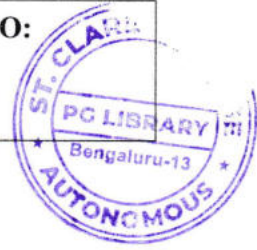
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St. Claret College

Autonomous, Bengaluru

ROLL NO:

DATE:



PG END SEMESTER EXAMINATION-JANUARY/FEBRUARY 2026

M.Com: THIRD SEMESTER

MCO 3225: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

TIME: 3 hours.

MAX. MARKS: 70

This paper contains TWO printed pages and FOUR parts

Instructions:

1. Verify and ensure that the question paper is completely printed.
2. Any discrepancies or questions about the exam paper must be reported to the COE within 1 hour after the examination.
3. Students must check the course title and course code before answering the questions.

PART-A

Answer any EIGHT questions out of TEN. Each answer carries TWO marks. [8x2 = 16]

1. Define Logistics.
2. What is Supply Chain Management?
3. What is Logistics Information System?
4. Mention the three elements of Triple Bottom Line.
5. What is Value Chain?
6. What is Fourth Party Logistics?
7. Mention any two types of warehouses.
8. Define Warehouse Management System?
9. What is Predictive Analytics in Supply Chain Management?
10. Mention the Optimisation Techniques for Supply Chain Analytics

PART-B

Answer any FOUR questions out of SIX. Each answer carries FIVE marks. [4x5=20]

11. Critically Evaluate the importance of positioning of information in Logistics and Supply Chain Management.
12. Discuss the functions and contributions of Value Chain Management.
13. Explain outsourcing and the role of 3PLs and 4PLs in supply chain effectiveness.

14. Describe the conflict resolution strategies for harmonious supply chain relationships.
15. Bring out the importance of packaging for material handling efficiency.
16. Explain the concept of Visualisation Techniques in Supply Chain Building.

PART-C

Answer any TWO questions out of THREE. Each answer carries TEN marks. [2X10=20]

17. Explain the emerging trends and technologies in Logistics and Supply Chain Management.
18. Discuss the functions and contributions of value chain management.
19. Write notes on;
 - a. P-Median Methods
 - b. Guided LP Approach
 - c. Balmer – Wolfe Method

PART-D

Compulsory skill-based question/ case study

[1X14=14]

20. Flipkart has expanded its e-commerce operations by establishing dark stores and urban distribution centers to enable faster deliveries. The company uses dynamic location models and greedy drop heuristics to decide warehouse locations, storage capacity, and vehicle allocation. These models help Flipkart respond to fluctuating demand, seasonal sales, and regional demand variations.

Flipkart also redesigned warehouse layouts using space determination and layout optimization techniques, reducing order picking time and improving material handling efficiency.

Questions

- a) Explain how dynamic warehouse location models support Flipkart's fulfilment strategy. (4 marks)
- b) Discuss the role of greedy drop heuristics in vehicle and space allocation. (3 marks)
- c) How does strategic warehousing enhance last-mile delivery performance? (3 marks)
- d) Evaluate the competitive advantages gained through technology-driven warehousing decisions. (4 marks)
