

Roll No: _____
Date: __/__/____

St. Claret College

Autonomous, Bengaluru

UG END SEMESTER EXAMINATION-NOVEMBER 2025

BBA-III SEMESTER

BM 3425: SUPPLY CHAIN AND LOGISTICS

TIME: 3 hours.

MAX. MARKS: 80

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 all the questions. Each answer carries ONE mark.

[10x1=10]

1. Which of the following is true for supply chain management?
 - a) The physical material moves through chain
 - b) Flow of cash backwards through the chain
 - c) Exchange of information
 - d) All of the above
2. 3 PL stands for
 - a) third party logistics
 - b) three-point logistics
 - c) three points locations
 - d) none of the above
3. Reverse logistics is required because _____
 - a) Goods are defective
 - b) Goods are unsold
 - c) The customers simply change their minds
 - d) All of these
4. Procurement refers to:
 - a) Manufacturing goods
 - b) buying goods and services for business use
 - c) selling products to customers
 - d) warehousing products
5. Just-In-Time (JIT) inventory aims to:
 - a) Maintain high inventory levels
 - b) Increase storage cost
 - c) Eliminate waste by receiving goods only needed
 - d) Delay production
6. The term VED analysis stands for:
 - a) Value, Economic, Demand
 - b) Vital, Essential, Desirable
 - c) Variable, Expensive, Durable
 - d) Volume, Efficiency, Demand
7. Which technology enables real-time tracking of goods in transit?
 - a) Blockchain
 - b) Cloud Computing
 - c) Big Data Analytics
 - d) RFID (Radio Frequency Identification)
8. Artificial Intelligence (AI) is used in supply chain management for:
 - a) Predictive demand planning and route optimization
 - b) Making random decisions
 - c) Manual order processing
 - d) Reducing automation
9. The key objective of Global SCM is to:
 - a) Increase production cost
 - b) Maximize supply chain inefficiency
 - c) Optimize the flow of goods and total cost globally
 - d) Eliminate suppliers
10. Which of the following tools helps in integrating global supply chain operation
 - a) ERP (Enterprise Resource Planning)
 - b) CRM (Customer Relationship Management)
 - c) HRM (Human Resource Management)
 - d) MIS (Management Information System)



PART-B

Answer any THREE questions. Each answer carries EIGHT marks.

[3x8=24]

11. Discuss the key drivers and major challenges affecting modern supply chain management.
12. Describe the different types of logistics involved in supply chain management.
13. The following information is available in respect of a particular material
 - Reorder Quantity-3600 Units
 - Maximum Consumption-900 units per week
 - Minimum Consumption-300 units per week
 - Normal Consumption-600 units per week
 - Reorder Period- 3 to 5 Weeks

- Calculate (i) Reorder Level (ii) Minimum Level (iii) Maximum Level (iv) Average Stock Level
14. Discuss the applications of ERP and Block chain in streamlining the business process
 15. Discuss how cross-border documentation and trade compliance influence global supply chain management

PART-C

Answer any THREE questions. Each answer carries TWELVE marks.

[3x12=36]

16. Explain the key components of a supply chain and how they interconnect to ensure efficiency.
17. Compare different modes of transportation and discuss their advantages and limitations in logistics.
18. Elaborate on various inventory management techniques and their importance in decision-making.
19. Analyze the role of technology in modern supply chain management and its impact on customer satisfaction
20. Using a 4 yearly Moving Average determine the Trend Values and also plot the original and trend values on a graph.

Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Production in '000 units	75	62	76	78	94	84	96	128	116	76	102	168

PART-D

Answer the following case study. The answer carries TEN marks.

[1x10=10]

21. Flipkart, one of India's leading e-commerce platforms, has built its success on an efficient supply chain and logistics system that enables the delivery of millions of products across the country, including remote areas. The company operates fulfillment centers in major cities to store high demand products, while real-time inventory management systems track stock levels and predict demand trends. Flipkart combines in-house delivery teams with third-party logistics partners to ensure timely deliveries. Despite facing challenges such as traffic congestion, last-mile delivery to rural regions, and managing fast-moving inventory, the company's effective supply chain strategies allow it to maintain customer satisfaction and handle peak shopping seasons like Big Billion Days efficiently.

- Questions:**
- a) Identify one major challenge Flipkart faces in logistics management.
 - b) Explain the role of warehousing in Flipkart's supply chain.
 - c) If Flipkart plans to expand into a remote region with poor infrastructure, propose a supply chain strategy to ensure timely delivery while controlling costs.