

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

PGDBM DEGREE EXAMINATION MAY 2025  
(Second Semester)

Branch – PG DIPLOMA IN BUSINESS MANAGEMENT

**SUPPLY CHAIN OPERATIONS**

Time: Three Hours

Maximum: 75 Marks

**SECTION-A (10 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Question No.	Question	K Level	CO
1	What is the key benefits of SCM? a) Increased inventory holding costs b) Decreased collaboration with suppliers c) Improved customer satisfaction through timely delivery d) Elimination of all manual processes	K1	CO1
2	Outline the type of decision that focuses on determining the number and location of facilities in a supply chain. a) Operational                      b) Tactical c) Financial                         d) Strategic	K2	CO1
3	Which distribution strategy involves maintaining high inventory levels at regional warehouses to meet customer demands quickly? a) Just-in-time (JIT)              b) Push-based distribution c) Pull-based distribution        d) Direct-to-consumer distribution	K1	CO2
4	Infer the type of supply chain network that focuses on minimizing inventory costs by centralizing operations. a) Decentralized network        b) Hybrid network c) Centralized network          d) Multi-layer network	K2	CO2
5	What is the main purpose of supply planning? a) To increase product variety b) To allocate resources and plan production to meet forecasted demand c) To improve marketing strategies d) To reduce the workforce size	K1	CO3
6	Outline the benefits of Just-In-Time (JIT) inventory management. a) Reduce inventory levels and improve efficiency b) Increase safety stock c) Stockpile inventory for future use d) Outsource all inventory functions	K2	CO3
7	In transportation selection, what is the significance of "lead time"? a) The time taken to manufacture the product b) The time required to deliver goods from origin to destination c) The time spent in quality checks d) The time spent on warehousing	K1	CO4
8	Interpret the role of block chain in supply chain management. a) It eliminates warehousing costs b) It ensures transparency, security, and traceability in transactions c) It speeds up production processes d) It manages payroll systems	K2	CO4

Cont...

9	Which of the following is a key element of a sustainable supply chain? a) Overproduction to meet unexpected demand b) Efficient waste management and recycling practices c) Outsourcing labor to reduce costs without regulation d) Excessive reliance on non-renewable resources	K1	CO5
10	Relate the concept is closely associated with Green Supply Chain Management. a) Lean manufacturing      b) Standard supply chain optimization c) Mass production        d) Circular economy	K2	CO5

**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Question No.	Question	K Level	CO
11.a.	Examine the various elements of supply chain management.	K4	CO1
	(OR)		
11.b.	Analyze the major drivers of supply chain management.		
12.a.	Inspect the role of distribution in supply chain management.	K4	CO2
	(OR)		
12.b.	Analyze the factors that influencing network design decision.		
13.a.	Interpret how demand planning is important for supply chain management.	K5	CO3
	(OR)		
13.b.	Explain the concept of vendor-managed inventory (VMI) and its potential advantages.		
14.a.	Assess the contribution of transportation in supply chain management.	K5	CO4
	(OR)		
14.b.	Determine the role of IT in supply chain management. Discuss in brief.		
15.a.	Discuss Agile supply chain with an example.	K6	CO5
	(OR)		
15.b.	Evaluate the importance of quality management in a global manufacturing supply chain.		

**SECTION - C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Question No.	Question	K Level	CO
16	Analyze the role of supply chain decisions that can align with corporate social responsibility (CSR) goals with example.	K4	CO1
17	List out the factors influencing distribution network design for automobile manufacturing industry.	K4	CO2
18	Explain the different inventory control methods. How can supply chain management strategies be adapted for seasonal demand fluctuations with example?	K5	CO3
19	Determine the future role of big data analytics in supply chain management.	K5	CO4
20	Discuss the ethical considerations involved in global supply chain management. Explain the impact of green supply chain management practices on sustainability performance of the organization.	K6	CO5

Z-Z-Z

END