

CBCS SCHEME

USN

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BME515C

Fifth Semester B.E/B.Tech. Degree Examination, June/July 2026

Supply Chain Management and Introduction to SAP

Time: 3 hrs

Max. Marks:100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

Module – 1			M	L	C
1	a.	Define Supply Chain Management. Explain the fundamentals, evolution, decision phases in supply chain with a neat diagram.	8	L2	CO1
	b.	Discuss the impotence of supply chain strategy and identify the key enablers/drivers of performance.	6	L3	CO1
	c.	Explain the supplier-manufacturers customer chain and its role in the economy.	6	L2	CO1
OR					
2	a.	Explain Make vs Buy decisions with examples. What factors affect outsourcing?	8	L2	CO1
	b.	Describe the supplier selection and contract negotiation process.	6	L3	CO1
	c.	Write short notes on : i) Supplier Development ii) World-Wide Sourcing.	6	L2	CO1
Module – 2					
3	a.	Explain the functions and procedures of stores management with system flow.	8	L3	CO2
	b.	What is obsolete, surplus, and scrap management? How can it import supply chain efficiency.	6	L3	CO2
	c.	Discuss Key Performance Indicators (KPI's) for warehouse management.	6	L4	CO2
OR					
4	a.	Explain distribution network design and the factors influencing its configuration.	8	L3	CO2
	b.	Explain different distribution strategies used by global organizations.	6	L3	CO2
	c.	Describe any two facility location models for supply chain network design.	6	L4	CO2

1 of 3

Module – 3

5	a.	Explain the concept of supply chain network optimization and its objectives.	8	L4	C02
	b.	Describe the impact of uncertainty on network design using a decision tree.	6	L4	C03
	c.	Discuss multi-item, multi-location inventory management approaches.	6	L3	C03

OR

6	a.	Explain the steps in demand planning and its role in co-ordination.	8	L3	C03
	b.	What is pricing and revenue management? Explain its significance in supply chain profitability.	6	L4	C03
	c.	Write short notes on : i) Lead time demand ii) Safety stock management.	6	L2	C03

Module – 4

7	a.	Explain supply chain integration and how partnerships and trust enhance performance.	8	L3	C04
	b.	What is the Bullwhip Effect? Explain its causes and remedies.	6	L4	C04
	c.	Explain the postponement strategy with examples.	6	L3	C04

OR

8	a.	Discuss the role of IT and E-business in modern supply chains.	8	L3	C04
	b.	Compare Agile vs Lean supply chains with examples.	6	L4	C04
	c.	Write short notes on : i) Reverse supply chain ii) Supply chain mapping.	6	L2	C04

Module – 5

9	a.	Explain the SAP system architecture and the role of the MM module.	8	L3	CO5
	b.	Describe the procurement process in SAP with a neat flow diagram.	6	L4	CO5
	c.	Write short notes on : i) Purchase Info Record ii) Source list.	6	L2	CO5
OR					
10	a.	Explain purchase requisition, RFQ and purchase order processes in SAP.	8	L3	CO5
	b.	Explain Inventory management and goods movement in SAP.	6	L4	CO5
	c.	What is invoice verification? List five key transaction codes (T-Codes) in SAP MM.	6	L2	CO5
