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CBCS SCHEME

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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	b.	What is obsolete, surplus, and scrap management?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

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		Module – 3			
5	a.	Explain the concept of supply chain network optimization and its objectives.	**8**	**L4**	**CO2**
	b.	Describe the impact of uncertainty on network design using a decision tree.	**6**	**L4**	**CO3**
	c.	Discuss multi-item, multi-location inventory management approaches.	**6**	**L3**	**CO3**
		OR			
6	a.	Explain the steps in demand planning and its role in co-ordination.	**8**	**L3**	**CO3**
	b.	What is pricing and revenue management? Explain its significance in supply chain profitability.	**6**	**L4**	**CO3**
	c.	Write short notes on : i) Lead time demand ii) Safety stock management.	**6**	**L2**	**CO3**
		Module – 4			
7	a.	Explain supply chain integration and how partnerships and trust enhance performance.	**8**	**L3**	**CO4**
	b.	What is the Bullwhip Effect? Explain its causes and remedies.	**6**	**L4**	**CO4**
	c.	Explain the postponement strategy with examples.	**6**	**L3**	**CO4**
		OR			
8	a.	Discuss the role of IT and E-business in modern supply chains.	**8**	**L3**	**CO4**
	b.	Compare Agile vs Lean supply chains with examples.	**6**	**L4**	**CO4**
	c.	Write short notes on : i) Reverse supply chain ii) Supply chain mapping.	**6**	**L2**	**CO4**

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		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**

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