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BME515C

Fifth Semester B.E./B.Tech. Degree Examination, June/July 2025
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
Q.1	a.	Briefly elaborate the evaluation of supply chain management, with a suitable example.	10	L2	CO1
	b.	List and explain drivers of supply chain performance.	10	L2	CO1
		OR			
Q.2	a.	Explain the basic principles of negotiation for supplier selection.	10	L2	CO1
	b.	Discuss in detail the concept of make Vs buy with suitable business scenarios.	10	L2	CO1
		Module – 2			
Q.3	a.	Define obsolete items and scrap items. Explain how to control the same in SCM.	10	L2	CO2
	b.	Describe the different types of stores systems and procedures.	10	L2	CO2
		OR			
Q.4	a.	Explain distribution network related to manufacturer storage with direct shipping, distributor storage with package carrier and distributor storage with last-mile delivery.	10	L2	CO2
	b.	List various factors influencing distribution network design in supply chain management. Explain.	10	L2	CO2
		Module – 3			
Q.5	a.	"Uncertainty affect the supply chain design decision". Discuss.	10	L2	CO3
	b.	Explain the network operation of cost minimization model and profit maximization model.	10	L2	CO3
		OR			
Q.6	a.	A manager must decide on the size of a video arcade to construct. The manager has narrowed the choices of two: large or small. Demand can be either low or high with probabilities of 0.4 and 0.6 respectively. If small facility is built and at low demand, the payoff is Rs. 40,000. If high demand is there, then there are three options again: do nothing (Rs. 40,000), do overtime (Rs. 55,000) or expand (Rs. 55,000). If building large facility is considered and the demand is low, you have two options either to do nothing (Rs. 10,000) or reduce price (Rs. 50,000). At high demand the payoff is Rs.70,000. Construct and analyze the decision tree and determine which initial alternative (build small or build large) should be chosen in order to maximize expected monetary value.	10	L3	CO3
	b.	Explain the concept of multiple item, multiple location inventory management.	10	L2	CO3
		Module – 4			
Q.7	a.	What is supply chain integration? Illustrate the three stages of supply chain integration.	10	L2	CO4
	b.	Define bullwhip effect. Explain the five prominent causes for bullwhip effect.	10	L2	CO4

		OR			
Q.8	a.	Discuss the future trends of information technology in supply chain.	10	L2	CO4
	b.	Why reverse supply chain is important in SCM. Explain any one case study.	10	L2	CO4
		Module – 5			
Q.9	a.	Describe the SAP material management concept and its significance.	10	L2	CO5
	b.	Explain in detail organization structure.	10	L2	CO5
		OR			
Q.10	a.	Write short note on [Any Three]: (i) Purchase Requisition (ii) Request for quotation (iii) Purchase order (iv) Inventory management	10	L2	CO5
	b.	Discuss importance of transaction codes in SAP.	10	L2	CO5

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