

**CMR
INSTITUTE OF
TECHNOLOGY**

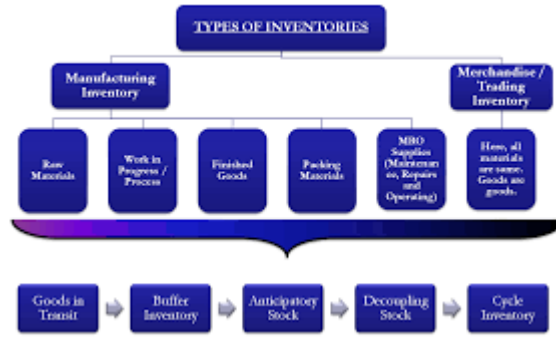
SCHEME OF EVALUATION
Internal Assessment Test 2– Mar 2023

Sub: Logistics and Supply Chain Management
 Date: 24/1/24 Duration: 90mins Max Marks: 50 **Sem:** III

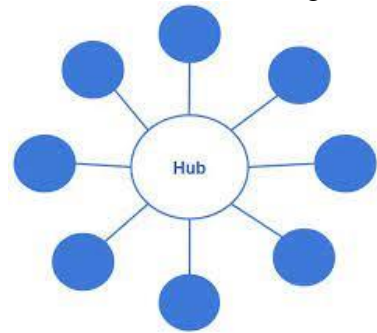
Code:
Branch: MBA

Note: Part A - Answer Any Two Full Questions (20*02=40 Marks)
 Part B - Compulsory (01*10= 10marks)

Part	Question #	Description	Marks Distribution	Max Marks
A	1	a) List the component of ordering cost. <ul style="list-style-type: none"> ➤ Cost to prepare a purchase requisition. ➤ Cost to prepare a purchase order. ➤ Cost of the labor required to inspect goods when they are received. ➤ Cost to put away goods once they have been received. ➤ Cost to process the supplier invoice related to an order. 	Three points – three marks	3
		b) Discuss the benefits of vendor managed inventory (VMI). VMI system benefits include better inventory accuracy, forecasting, and service. It can also reduce inventory-related costs for both retailers and vendors because the vendor uses appropriate tools and software to manage inventory, replenish stock and reduce costly overstocking.	3.5 M points +3.5 M for explanation	7
		c) Categorize the types of inventory needed in textile factory.	5 M points + 5 M for explanation	10



a) What is hub and spoke model?
 The hub and spoke model provides a means of distribution that relies on a central location (the hub) and a number of spokes leading out from that hub. The main hub is where the goods are stocked, and the spokes represent the various distribution centres that deliver the goods to customers.



Definition

3

2 b) Discuss the factors influencing the distribution.
 The main factors determining population distribution are : climate, landforms, topography, soil, energy and mineral resources, accessibility like distance from sea coast, natural harbours, navigable rivers or canals, cultural factors, political boundaries, controls on migration and trade, government policies.

Any seven points and its explanation


7

c) Categorize the functions of international logistics.
 Transportation
 Inventory management
 Packaging
 Material handling
 Warehousing

Writing chart
 5M+
 Connecting delivery app 5 M

10

20 M

		<p>Order processing</p> <p>Information and Control</p> <p>Delivery</p> <p>Demand planning</p> <p>Monitoring</p> <p>Customs clearance</p> <p>Fleet management</p> <p>Logistical packaging</p>			
3	a)	<p>What is international logistics?</p> <p>International logistics is the study, planning and implementation of how a business moves physical goods and materials from supplier to customer in a way that involves crossing at least one international border. It also includes the international movement of money and information.</p>	Definition	3	
	b)	<p>Discuss the importance of lead time reduction in SCM.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Enhanced Customer Satisfaction</p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;"> <p>Improved Operational Efficiency</p> </div> </div> <p>Cost Savings</p> <p>Mitigating Risks</p> <p>Building Competitive Advantage</p>	<p>Procurement details 2 M+</p> <p>Production details 2M+</p> <p>Distribution details 3 M</p>	7	20 M
	c)	<p>Illustrate that Transportation is crucial to succeed in business by considering suitable example.</p> <p>Transportation is among the more vital economic activities for a business. By moving goods from locations where they are sourced to locations where they are demanded, transportation provides the essential service of linking a company to its suppliers and customers. It is an essential activity in</p>	<p>Diagram 5 M+</p> <p>connecting same to Zepto 5 M</p>	10	

		<p>the logistics function, supporting the economic utilities of place and time. Place utility infers that customers have product available where they demand it. Time utility suggests that customers have access to product when they demand it. By working in close collaboration with inventory planners, transportation professionals seek to ensure that the business has product available where and when customers seek it.</p> <p>Transportation is sometimes to blame for a company's inability to properly serve customers. Late deliveries can be the source of service problems and complaints. Products might also incur damage while in transit, or warehouse workers might load the wrong items at a shipping location. Such over, short, or damaged (called OS&D) shipments can frustrate customers, too, leading to dissatisfaction and the decision to buy from a competitor for future purchases.</p>			
B	4	<p>a)</p> <p>Supply chain management tools are indispensable in the digital era of volatile demand and evolving customer expectations. Businesses often struggle with a "one fits all" approach, thus losing leads. In the age of circular supply chains, only the best solutions fit unique needs like agile processing and scalability.</p> <p>The Best Supply Chain Management Software</p> <ul style="list-style-type: none"> ✓ Oracle SCM Cloud ✓ Blue Yonder ✓ SAP Supply Chain ✓ Dynamics 365 SCM ✓ Epicor SCM <p>Top Benefits</p> <p>Simplify Installation: This transportation logistics software enhances supply chain capabilities by letting users choose the</p>	Any 10 points along with explanation	10	10 M

		<p>components and modules to install. Every part is backed by Oracle’s support assurance, providing access to all support avenues.</p> <p>Unlock Cloud Capabilities: Access critical supply chain data via your mobile device for secure backup and retrieval from anywhere.</p> <p>Exceed Business Goals: Reduce costs, increase supply chain productivity and gain visibility into client service KPIs with this supply chain management software’s wide range of tools.</p> <p>Adopt the Latest Technologies: Stay on top of transportation trends by integrating innovations like machine learning, AI and blockchain support into routine supply chain operations.</p> <p>Digitize Supply Chains: Oracle facilitates digital data exchange to reduce daily operational costs. Do away with analog filing and the need for pricey on-site maintenance to speed up supply chain processes.</p> <p>Primary Features</p> <p>Transportation Management: This SCM software reduces fleet management complexity while increasing carrier sourcing. Quickly optimize multimodal transportation using its extensive dashboard.</p> <p>Warehouse Management: Real-time visibility into warehousing processes improves accuracy while cutting everyday expenses.</p> <p>Real-Time Visibility: The software provides real-time in-transit visibility by locating goods for all modes and regions by inputting a shipment tracking, booking, container or</p>			
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		<p>vessel number.</p> <p>Demand Management: Robust predictive analytics native to the supply chain management software lets users forecast product demand, assisting businesses in staying ahead of market developments.</p> <p>Collaboration and Visibility: Companies can plan and forecast more effectively with significant data visibility. Stay in touch with clients and partners using a messaging system that connects businesses.</p>			
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