

However, the implementation hasn't gone smoothly: employees report difficulties adapting to the new technologies, and errors in data entry have led to inaccurate stock counts. The company now faces increased training costs and delayed order fulfillment due to these issues.

- (a) How could the EOQ model help ABC Manufacturing manage inventory costs effectively?
 - (b) What are the benefits and potential drawbacks of integrating RFID technology with EOQ?
 - (c) Suggest solutions for overcoming the challenges ABC is facing with technology adoption.
 - (d) How might inaccurate stock counts impact ABC's supply chain efficiency?

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Total No. of Questions: 7

Total No. of Printed Pages:4

Enrollment No.....



Duration: 3 Hrs.

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

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[3]

vi.	The push inventory control method is best characterized by-	1	1	2	3	Q.3	i.	Describe the use of RFID technology in inventory management.	3	2	5	2
	(a) Stocking inventory based on forecasted demand						ii.	Explain the push-pull methods in inventory management.	5	2	5	2
	(b) Ordering based on actual demand					OR	iii.	Analyze the benefits and limitations of inventory management software.	5	4	5	2
	(c) Minimizing inventory at all locations											
	(d) Directly delivering goods to customers					Q.4	i.	Discuss the concept of performance measurement in inventory control systems.	3	2	3	3
vii.	In inventory management, holding costs refer to-	1	1	2	4		ii.	Evaluate the importance of inventory policies in optimizing costs.	5	5	2	3
	(a) The cost of storing unsold goods					OR	iii.	Describe risk pooling and how it can help in inventory cost reduction.	5	2	2	3
	(b) Expenses related to sales and marketing											
	(c) Costs from customer returns					Q.5	i.	Explain the importance of vendor relationship management in supply chain management.	2	2	7	4
	(d) Expenditure on employee training						ii.	Attempt any two: Discuss the conflict resolution in vendor management.	3	2	7	4
viii.	Negotiation strategies with vendors should ideally focus on-	1	1	2	4		iii.	Discuss negotiation strategies in vendor management.	3	2	7	4
	(a) Achieving short-term gains						iv.	Explain the steps in vendor development	3	2	7	4
ix.	Which factor is NOT typically considered in vendor selection criteria?	1	1	1	5	Q.6	i.	Attempt any two: Evaluate the criteria for vendor selection.	4	5	8	5
	(a) Supplier's financial stability						ii.	Discuss how scorecards can be used in vendor evaluation.	4	2	8	5
	(b) Supplier's geographic location						iii.	In short explain the process of supplier audits in vendor management.	4	2	8	5
	(c) Employee satisfaction in the supplier's firm					Q.7	Case Study-					
	(d) Supplier's quality of service											
x.	The primary purpose of supplier audits is to-	1	1	2	5							
	(a) Ensure adherence to quality and service standards											
	(b) Optimize customer experience											
	(c) Reduce employee training needs											
	(d) Increase supply chain complexity											
Q.2	i. Discuss the strategic objectives of inventory management.	2	2	3	1							
	ii. Explain the importance of customer satisfaction in inventory management.	2	2	7	1							
	iii. Explain the importance of competitive advantage in inventory management.	4	2	7	1							
OR	iv. Discuss the responsibilities of inventory management and its role in profitability in short.	4	2	1	1							

Marking Scheme

MS5EL03 (T) Inventory and Vendor Management (T)

<p>Q.1</p> <ul style="list-style-type: none"> i) b) A stock of goods for future use ii) b) Balancing profitability and customer satisfaction iii) b) Minimize inventory cost iv) d) Deterministic Model v) c) Track items and manage inventory levels vi) a) Stocking inventory based on forecasted demand vii) a) The cost of storing unsold goods viii) c) Establishing a mutually beneficial partnership ix) c) Employee satisfaction in the supplier's firm x) a) Ensure adherence to quality and service standards 	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>OR</p> <p>iii. pull methods in inventory management -2.5 Marks</p> <p>Analyze the benefits and limitations of Inventory Management Software. 5</p> <p>benefits of Inventory Management Software – 2.5Marks</p> <p>limitations of Inventory Management Software – 2.5 Marks</p>
		<p>Q.4</p> <ul style="list-style-type: none"> i. Discuss the concept of performance measurement in inventory control systems. ii. Evaluate the importance of inventory policies in optimizing costs. 5 <p>OR</p> <ul style="list-style-type: none"> iii. Describe risk pooling and how it can help in inventory cost reduction. 5 Describe risk pooling - 2.5 Marks How it can help in inventory cost reduction - 2.5 Marks
		<p>Q.5</p> <ul style="list-style-type: none"> i. Explain the importance of vendor relationship management in supply chain management. ii. Attempt any two: <p>OR</p> <ul style="list-style-type: none"> iii. Discuss the conflict resolution in vendor management. 3 Discuss negotiation strategies in vendor management. 3 Explain the steps in vendor development 3
<p>Q.2</p> <ul style="list-style-type: none"> i. Discuss the strategic objectives of inventory management. 2 At least two points. Each points carry 1 Marks ii. Explain the importance of customer satisfaction in inventory management. 2 At least two points. Each points carry 1 Marks iii. Explain the importance of competitive advantage in inventory management. 4 At least four points. Each points carry 1 Marks <p>OR</p> <ul style="list-style-type: none"> iv. Discuss the responsibilities of inventory management and its role in profitability in short. 4 responsibilities of inventory management 2 Marks inventory management role in profitability 2 Marks 		<p>Q.6</p> <ul style="list-style-type: none"> Attempt any two: <p>i. Evaluate the criteria for vendor selection. 4</p> <p>ii. Discuss how scorecards can be used in vendor evaluation. 4</p> <p>iii. In short explain the process of supplier audits in vendor management. 4</p> <p>Q.7</p> <p>Case Study questions (4*2.5) 10</p>

<p>Q.3</p> <ul style="list-style-type: none"> i. Describe the use of RFID technology in inventory management. 3 ii. Explain the push-pull methods in inventory management. 5 <p>push methods in inventory management – 2.5 Marks</p>		