

**NAME OF THE COURSE: INVENTORY & WAREHOUSING MANAGEMENT**

**SUBJECT CODE: 534EBC**

**SEMESTER: III ELECTIVE**

**BATCH: 2024-2026**

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**QUESTION BANK**

**PART – A (50 Questions × 1 Mark)**

**Unit I – Introduction to Inventory.**

1. Define inventory. (L1)
2. What is inventory management? (L1)
3. State any two types of inventory. (L2)
4. What is inventory policy? (L2)
5. Define inventory holding cost. (L1)
6. What is reorder point? (L1)
7. Mention any two symptoms of poor inventory management. (L2)
8. What is the role of inventory in logistics? (L2)
9. State the importance of inventory. (L1)
10. What is inventory profitability? (L2)

**Unit II – Inventory Control & Models**

11. Define EOQ. (L1)
12. What is selective inventory control? (L1)
13. State any two modern inventory techniques. (L2)
14. What is P model in inventory? (L2)
15. Define reorder level (ROL). (L1)
16. What is fair share allocation? (L2)
17. Expand MRP and JIT. (L1)
18. What is two-bin system? (L2)
19. Define ABC analysis. (L1)
20. What is ERP? (L1)

### **Unit III – Inventory Methods**

- 21. What is FIFO? (L1)
- 22. What is LIFO? (L1)
- 23. Define weighted average method. (L2)
- 24. What is RFID? (L2)
- 25. Define spare parts inventory. (L1)
- 26. What is risk in inventory management? (L2)
- 27. What is inventory under uncertainty? (L2)
- 28. Define finished goods inventory. (L1)
- 29. What is EDI? (L1)
- 30. What is satellite tracking? (L2)

### **Unit IV – Warehouse Management**

- 31. Define warehouse. (L1)
- 32. What is warehouse layout? (L2)
- 33. What is cross docking? (L2)
- 34. State any two functions of warehouse. (L1)
- 35. What is warehouse design? (L1)
- 36. What is warehouse cost? (L2)
- 37. Define warehousing planning. (L1)
- 38. What is warehouse location? (L2)
- 39. What is break bulk? (L1)
- 40. What is assembly in warehousing? (L2)

### **Unit V – Planning, Codification & IT in Warehousing**

- 41. What is codification? (L1)
- 42. Define standardization. (L1)
- 43. What is MRP? (L2)
- 44. What is loss prevention? (L2)
- 45. What is ERP in warehousing? (L1)
- 46. Define cross docking. (L2)
- 47. What is planned order? (L2)

- 48. What is retrieval system? (L1)
- 49. Define competitive advantage in warehousing. (L2)
- 50. What is forecasting parameter? (L2)

## **PART – B**

### **Unit I**

- 1. Explain the functions and importance of inventory. (L3)
- 2. Analyze the role of inventory in logistics operations. (L4)
- 3. Explain the costs associated with inventory with examples. (L3)
- 4. Discuss the symptoms of poor inventory management. (L4)
- 5. Analyze the impact of inventory on total logistics cost. (L4)
- 6. Explain the objectives and importance of inventory management. (L3)

### **Unit II**

- 7. Apply EOQ formula to determine optimal order quantity with assumptions. (L3)
- 8. Compare P model and Q model with examples. (L4)
- 9. Explain selective inventory control techniques. (L3)
- 10. Analyze the working of JIT in inventory control. (L4)
- 11. Apply ABC analysis for a given set of inventory items. (L3)
- 12. Explain the concept of Economic Batch Quantity (EBQ). (L3)

### **Unit III**

- 13. Explain FIFO and LIFO methods with numerical illustration. (L3)
- 14. Analyze the significance of inventory ranking methods. (L4)
- 15. Explain weighted average method with example. (L3)
- 16. Discuss the role of RFID in inventory management. (L4)
- 17. Analyze risk management in inventory functions. (L4)

18. Explain the procedure for managing work-in-progress inventory. (L3)

#### **Unit IV**

19. Explain the principles of warehouse management. (L3)

20. Analyze the factors affecting warehouse cost. (L4)

21. Explain warehouse layout and its significance. (L3)

22. Compare break-bulk and cross docking operations. (L4)

23. Explain the process of warehouse selection and planning. (L3)

24. Analyze the importance of warehouse location in logistics. (L4)

#### **Unit V**

25. Explain the codification and standardization process. (L3)

26. Analyze the role of MRP in inventory planning. (L4)

27. Explain loss prevention techniques in warehousing. (L3)

28. Explain planned order planning and file consolidation. (L3)

29. Analyze the role of ERP in warehouse operations. (L4)

30. Analyze how IT provides competitive advantage in warehousing. (L4)

### **PART – C**

#### **Unit I**

1. Evaluate the effectiveness of inventory management in reducing logistics costs. (L5)

2. Develop a model for improving inventory performance in a manufacturing firm. (L6)

3. Evaluate the impact of inventory policies on profitability. (L5)

4. Propose strategies to overcome poor inventory management in an organization. (L6)

5. Critically examine the types of inventory and their relevance in different industries. (L5)

## **Unit II**

6. Evaluate the effectiveness of EOQ and EBQ models in dynamic business environments. (L5)
7. Develop an integrated inventory control system using MRP, JIT, and ERP. (L6)
8. Critically analyze modern methods such as Kanban and DRP. (L5)
9. Design an inventory model for a high-demand seasonal product. (L6)
10. Evaluate the challenges in selective inventory control across industries. (L5)

## **Unit III**

11. Evaluate the relevance of FIFO, LIFO, and weighted average methods in modern industries. (L5)
12. Design a digital inventory tracking system using RFID and EDI. (L6)
13. Compare and evaluate inventories under certainty and uncertainty. (L5)
14. Develop a framework for risk management in inventory operations. (L6)
15. Critically analyze the management of spare parts inventory. (L5)

## **Unit IV**

16. Evaluate different warehouse layout models and recommend the best design. (L5)
17. Propose strategies to reduce warehousing cost using modern technology. (L6)
18. Critically examine the importance of warehouse location in competitive logistics. (L5)
19. Develop a modern warehousing system incorporating cross docking & break bulk. (L6)
20. Evaluate the operational efficiency of warehouse planning models. (L5)

## **Unit V**

21. Evaluate the role of standardization and codification in warehouse performance. (L5)
22. Design an IT-enabled warehouse security and loss prevention system. (L6)
23. Critically analyze the role of ERP in achieving competitive advantage. (L5)
24. Propose a forecasting-based inventory planning system for a retail chain. (L6)
25. Evaluate different consumption-based planning models in warehousing. (L5)