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**NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA**  
**(An Autonomous Institute Affiliated to AKTU, Lucknow)**

**MBA (Integrated)**

**SEM: VIII - THEORY EXAMINATION (2025 - 2026)**

**Subject: Warehousing, Inventory and Distribution Management**

**Time: 2.5 Hours**

**Max. Marks: 60**

**General Instructions:**

IMP: Verify that you have received the question paper with the correct course, code, branch etc.

1. This Question paper comprises of three Sections -A, B, & C. It consists of Multiple Choice Questions (MCQ's) & Subjective type questions.

2. Maximum marks for each question are indicated on right -hand side of each question.

3. Illustrate your answers with neat sketches wherever necessary.

4. Assume suitable data if necessary.

5. Preferably, write the answers in sequential order.

6. No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.

**SECTION-A**

15

1. Attempt all parts:-

- (1.1) The primary role of a distribution function is the movement of goods to the \_\_\_\_\_. (CO1, K1) 1
- (a) End user
- (b) Manufacturer
- (c) Raw material supplier
- (d) Competitor
- (1.2) The concept of warehousing involves the \_\_\_\_ of goods until needed. (CO2, K1) 1
- (a) Destruction
- (b) Sale
- (c) Storage
- (d) Production
- (1.3) The warehouse process starts with the \_\_\_\_ of goods. (CO3, K1) 1
- (a) Receiving
- (b) Shipping
- (c) Picking
- (d) Packing
- (1.4) Warehouse costs include fixed costs like \_\_\_\_\_. (CO4, K1) 1
- (a) Packaging
- (b) Labor
- (c) Rent
- (d) Electricity

- (1.5) Inventory management is the control of \_\_\_\_ for sale or production. (CO5, K1) 1
- (a) Stock
  - (b) Employees
  - (c) Office chairs
  - (d) Computers

2. Attempt all parts:-

- (2.1) State the primary objective of a Distribution Function in a modern supply chain. (CO1, K2) 2
- (2.2) Define the core concept of warehousing in a modern logistics system. (CO2, K2) 2
- (2.3) Identify two types of picking equipment used in warehouses. (CO3, K1) 2
- (2.4) Identify two types of fixed costs in warehousing operations. (CO4, K1) 2
- (2.5) List two assumptions of the basic EOQ model. (CO5, K1) 2

### **SECTION-B**

15

3. Answer any three of the following:-

- (3.1) Analyze the shift from traditional distribution formats to modern multi-channel systems. (CO1, K4) 5
- (3.2) Explain the strategic importance of warehousing in achieving economies of scale. (CO2, K2) 5
- (3.3) Discuss the various picking equipment options and their suitability for different products. (CO3, K3) 5
- (3.4) Explain the calculation and significance of ROI for a new warehouse automation project. (CO4, K2) 5
- (3.5) Discuss the integration of inventory management with overall supply chain strategy. (CO5, K3) 5

### **SECTION-C**

30

4. Answer any one of the following:-

- (4.1) Synthesize a framework for transitioning a traditional distribution model to a sustainable one. (CO1, K5) 6
- (4.2) Explain the role of information as a strategic asset in distribution management. (CO1, K2) 6

5. Answer any one of the following:-

- (5.1) Critically evaluate the impact of e-commerce growth on traditional warehouse functions. (CO2, K4) 6
- (5.2) Compare the layout requirements of a retail distribution center vs a manufacturing warehouse. (CO2, K4) 6

6. Answer any one of the following:-

- (6.1) Develop a comprehensive SOP for managing high-volume returns in a fashion e-retailer. (CO3, K5) 6
- (6.2) Analyze the relationship between inventory accuracy and cycle counting frequency. (CO3, K4) 6

7. Answer any one of the following:-

- (7.1) Critically evaluate the challenges of implementing Activity Based Costing in a 3PL environment. (CO4, K4) 6
- (7.2) A firm is deciding between two competing warehouse automation vendors with different technology stacks. Compare these vendors using a Weighted ROI and Performance Matrix. Evaluate factors such as system scalability, integration ease with existing WMS, maintenance costs, and projected throughput increases to determine the superior long-term partner. (CO4, K5) 6
8. Answer any one of the following:-
- (8.1) Examine the applicability of JIT inventory in a high-variability supply chain. (CO5, K4) 6
- (8.2) Examine the inventory policy for a retail chain using ABC and VED analysis. (CO5, K4) 6

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