



UNIVERSITI KUALA LUMPUR
Malaysian Institute of Marine Engineering Technology

FINAL EXAMINATION
OCTOBER 2025 SEMESTER SESSION

SUBJECT CODE : LOD20703

SUBJECT TITLE : WAREHOUSE MANAGEMENT

PROGRAMME NAME : DIPLOMA IN MARITIME MANAGEMENT
(FOR MPU: PROGRAMME LEVEL)

TIME / DURATION : 09.00 AM - 11.30 AM
(2 HOURS 30 MINUTES)

DATE : 28 JANUARY 2026

INSTRUCTIONS TO CANDIDATES

1. Please read **CAREFULLY** the instructions given in the question paper.
 2. This question paper has information printed on both sides of the paper.
 3. This question paper consists of **TWO (2)** sections; Section A and Section B.
 4. Answer **ALL** questions in Section A and **THREE (3)** questions **ONLY** in Section B
 5. Please write your Section A answer in OMR paper and Section B in provided answer paper.
 6. Answer **ALL** questions in English language **ONLY**.
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THERE ARE 12 PAGES OF QUESTIONS, EXCLUDING THIS COVER PAGE

SECTION A (TOTAL: 25 MARKS)**INSTRUCTION: ANSWER ALL QUESTIONS.****Please use the OMR sheet provided.**

1. Which types of warehouse that giving full control to the company?
 - A. Public Warehouse.
 - B. Private Warehouse.
 - C. Distribution Center.
 - D. Fulfilment Center.

2. What is the key advantage of Private Warehouse?
 - A. Full control over inventory and operations.
 - B. Public Lower risk of underutilization.
 - C. Low ongoing maintenance costs.
 - D. High flexibility in rapidly changing business environments.

3. Which statement is the main operational purpose of a Raw Material Warehouse?
 - A. Storing basic materials to ensure uninterrupted production.
 - B. Storing imported goods until customs duties are paid.
 - C. Fulfilling individual e-commerce orders quickly.
 - D. Combining shipments from multiple suppliers for cost reduction.

4. _____ is best associated with the concept of duty deferral and managing cash flow by delaying duty payments.
 - A. Consolidation Warehouse
 - B. Cross-Docking Warehouse
 - C. Cloud Warehouse
 - D. Bonded Warehouse

5. A Fulfillment Center is designed to distinguish itself from a traditional warehouse by specifically focusing on _____.
- A. storing imported merchandise under a customs-controlled bond before duties are paid.
 - B. storing large quantities of goods in bulk to support ongoing manufacturing operations.
 - C. storing raw materials for extended periods to ensure continuity and resilience in the supply chain.
 - D. storing stock and handling orders for e-commerce, including picking, packing, and shipping.
6. Choose the types of warehouse that purposely use to store the raw materials that a manufacturing company will process into finished goods.
- A. Distribution Center.
 - B. Fulfillment Center.
 - C. Raw Material Warehouse.
 - D. Consignment Warehouse.
7. What option accurately expresses a primary disadvantage of an Automated Warehouse?
- A. Lower labour costs due to human error.
 - B. High initial capital investment for automation technology.
 - C. Reduced efficiency in inventory tracking.
 - D. Flexibility to adapt to changing inventory types.
8. How can the concept of a Cloud Warehouse (Virtual Warehouse) be interpreted in terms of physical space?
- A. It has no physical storage space but uses cloud-based software to manage inventory in third-party warehouses.
 - B. It uses physical space in a warehouse managed by the business itself.
 - C. It relies solely on an internal, on-site server network.
 - D. It provides maximum storage density using vertical stacking automation.

9. Describe a Public Warehouse based on its operational model.
- A. A warehouse that is fully owned and managed by a company to meet its own internal storage and inventory management requirements.
 - B. A facility specifically designed and organized to enable the fast and efficient movement of goods to multiple destinations, minimizing storage time.
 - C. Owned and operated by a third party and leased out to businesses on a short- or long-term basis.
 - D. A warehouse where imported goods are stored without paying customs duties.
10. A key advantage of a Private Warehouse is full control over inventory and operations. Identify the major disadvantage of a Public Warehouse.
- A. High initial capital investment required.
 - B. Risk of underutilization if demand fluctuates.
 - C. Limited scalability and flexibility.
 - D. Less control over operations, security, and inventory management.
11. Which warehouse activity represents the final and most crucial stage where the Bill of Lading is usually prepared before the goods release from the warehouse?
- A. Order Picking.
 - B. Returns Handling.
 - C. Shipping.
 - D. Putaway.
12. _____ focuses on finding the best storage location for an item based on its characteristics.
- A. Putaway.
 - B. Inventory Management.
 - C. Breakbulk.
 - D. Cross-Docking

13. How should warehouse management interpret the goal of reducing the physical effort and time required to move goods?
- A. By increasing the size of the warehouse to create more space.
 - B. By ensuring all goods are stored on the highest racks possible.
 - C. By optimizing the warehouse layout and flow to reduce unnecessary movement.
 - D. By increasing the number of inventory management staff for better tracking.
14. Which sequence is the best to clarify the process of Putaway?
- A. Move Products, Identify Product, Update Records, Identify Location.
 - B. Schedule Carrier, Unload Vehicle, Inspect for Damage, Documentation.
 - C. Packing, Labeling, Stacking, Load Vehicle.
 - D. Sorting, Location assignment, Move Products, Storage.

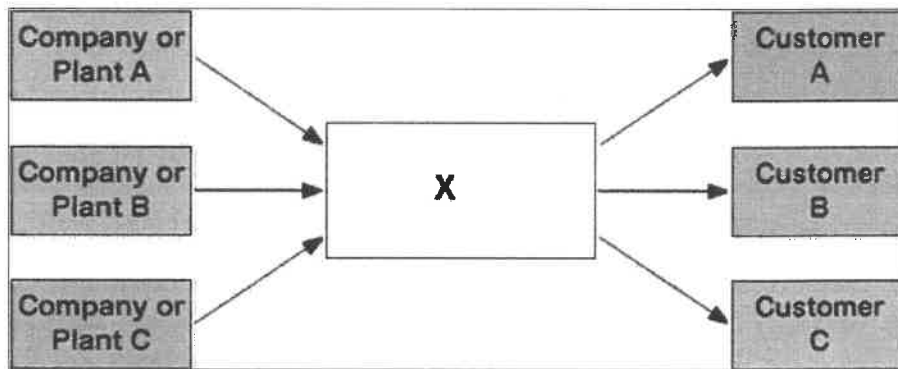


Figure 1: Types of Warehouse

15. What is represented by X?
- A. Cross Dock Warehouse.
 - B. Break Bulk Warehouse.
 - C. Automotive Warehouse.
 - D. Government Warehouse.

16. Which is the first step to identify part of the "Receiving" activities in a warehouse?
- A. Sorting items according to their size, weight, or other characteristics to ensure efficient storage and easy retrieval within the warehouse.
 - B. Attaching or affixing shipping labels and necessary documentation to packages to ensure they are properly identified and ready for shipment.
 - C. Checking the goods to make sure they match the purchase order or invoice.
 - D. Deciding on the appropriate course of action for goods that cannot be restocked, such as returning them to the supplier, disposing of them, or moving them to a quarantine area.
17. A business must manage high-volume, fast-moving products with minimal storage time. Which operational approach should be selected?
- A. Relying only on a raw material warehouse.
 - B. Using a Consignment Warehouse for duty deferment.
 - C. Investing in a private warehouse provides complete control.
 - D. Using Cross-Docking to bypass storage.
18. A logistics manager needs a forklift that can handle heavy loads while and suitable for rough terrain outside the main warehouse building. Select the best type of forklift.
- A. Reach Trucks.
 - B. Telehandlers.
 - C. Order Pickers.
 - D. Counterbalance Forklifts.
19. The different between Cantilever Racks versus standard Pallet Racks is _____.
- A. they are primarily used for highly valuable items requiring high security.
 - B. they store pallets of goods in a deep-lane configuration.
 - C. they store long, bulky, or oddly shaped materials like sheet metal.
 - D. they are equipped with refrigerated units for temperature-sensitive items.

20. A warehouse manager needs to select a shelving type that is both strong and durable for storing moderately heavy tools and parts in bulk. Which type of shelf is most appropriate?
- A. Wire Shelves.
 - B. Wooden Shelves.
 - C. Clothing Shelves.
 - D. Metal Shelves.
21. Identify the best equipment to move goods quickly and continuously between fixed points in a warehouse.
- A. Lift Trucks.
 - B. Conveyor Systems.
 - C. Storage Racks.
 - D. Pallet Jacks.
22. How does a Private Warehouse contrast with a Public Warehouse in terms of initial cost and control?
- A. Private offers low initial cost and low control, while Public has a high initial cost and high control.
 - B. Private requires a high initial capital investment but offers full control, while Public has lower upfront costs but less control over operations.
 - C. Private is used for seasonal storage, while Public is used for long-term storage.
 - D. Private only handles finished goods, while Public only handles raw materials.
23. Which statement correctly expresses the main benefit of Stacking Bins?
- A. They are easy to use for secure personal storage.
 - B. They maximize vertical storage space.
 - C. They are designed to hold only documents and paperwork.
 - D. They are made from metal for heavy-duty security.

24. The primary function of a *Consolidation Warehouse* can be extended to provide which additional operational benefit for the customer?
- A. Faster delivery times than Fulfillment Centers.
 - B. Full control over the quality of their inventory.
 - C. Elimination of all customs duties and taxes.
 - D. Fewer deliveries and an easier receiving process.
25. Choose the main purpose of the Breakbulk warehouse.
- A. Consolidating many small packages into one large container.
 - B. Separating large, bulk shipments into smaller units.
 - C. Repairing damaged handling equipment.
 - D. Tracking goods under customs bond.

SECTION B (TOTAL: 75 MARKS)

INSTRUCTION: ANSWER THREE (3) QUESTIONS ONLY.

Please use the answer booklet provided.

QUESTION 1

The Warehouse Management process refers to the systematic steps involved in efficiently storing, handling, and moving goods within a warehouse. It ensures that inventory is stored safely, easily accessible, and accurately tracked.

- (a) Explain **FIVE (5)** steps of the Warehouse Management Process and support your explanation with examples.

(15 Marks)

- (b) Sketch a flow chart illustrating the process flow of a simple warehouse system and medium warehouse system.

(10 Marks)

QUESTION 2

A Warehouse Management System (WMS) is a software application designed to plan, control, and manage the day-to-day operations of a warehouse or distribution center. It helps businesses track inventory, optimize storage space, and improve the efficiency of warehouse processes.

(a) List **FIVE (5)** features for Warehouse Management System (WMS).

(5 Marks)

(b) Describe **FIVE (5)** different components that contribute to the overall cost of implementing a Warehouse Management System (WMS).

(10 Marks)

(c) Illustrate the process of Warehouse operations.

(10 Marks)

QUESTION 3

Warehouses play a significant role in the supply chain, but they also have a notable impact on the environment. Environmental concerns in warehouses relate to energy use, emissions, waste management, and resource consumption. Managing these impacts is crucial for sustainability, regulatory compliance, and corporate social responsibility.

(a) Identify the air pollution as a result from warehouse operations.

(5 Marks)

(b) Discuss the proper way to handle packaging waste from warehouse activities.

(10 Marks)

(c) Find the best practices for waste disposal management in warehouse.

(10 Marks)

QUESTION 4

Health and safety in a warehouse are critical for protecting employees, visitors, and the goods stored, while ensuring smooth and efficient operations. Warehouses are environments with high risks due to heavy lifting, machinery, moving vehicles, and stacking of goods, so proper safety measures are essential.

(a) Define the word "Risk Assessment".

(1 Marks)

(b) State **FOUR (4)** types of fire prevention measure in warehouse.

(4 Marks)

(c) Discuss **FIVE (5)** steps involved in risk assessment process.

(10 Marks)

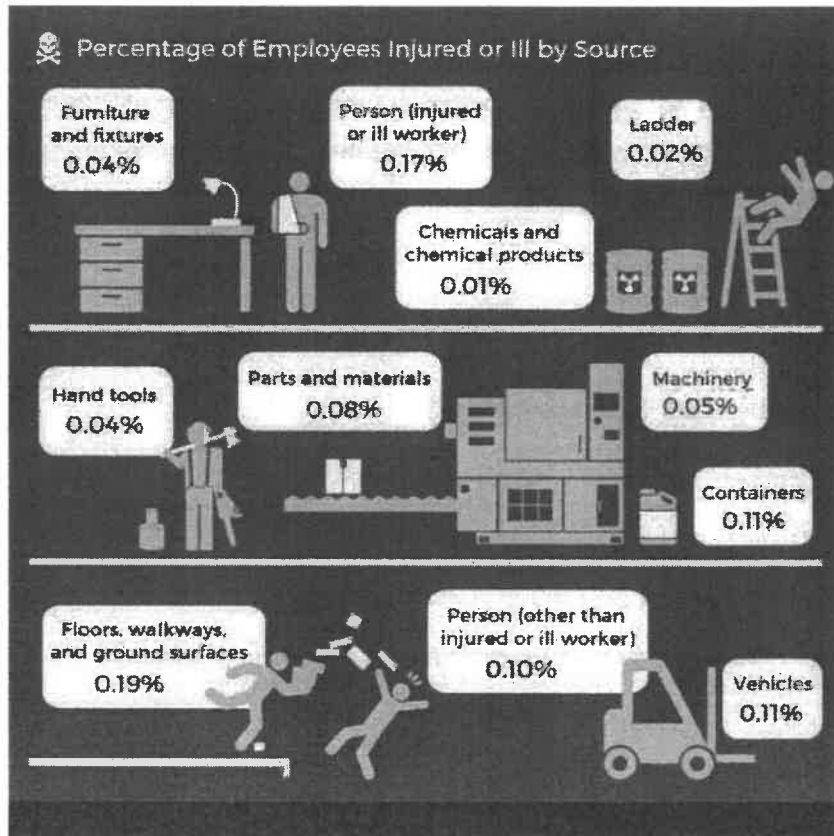


Figure 2: Percentage of employees injured

(d) Based on **Figure 2**, justify **FIVE (5)** effective method to measure improvements in workplace safety.

(10 Marks)

END OF FINAL EXAMINATION QUESTION