

INDIAN MARITIME UNIVERSITY
(A Central University, Govt. of India)
End Semester Examinations – Dec 2019
M.B.A (International Transportation and Logistics Management)
Semester -III
PG22T2305 – Warehousing and Inventory Management

Date: 03-12-2019

Max Marks: 60

Time: 3 Hrs

Pass Marks: 30

PART – A

Answer **all the questions**. All the questions carry equal marks.

12 x 1 = 12 Marks

01. The growth of e-retailing has seen an increase in the number of customer _____
- a) Cross docking centers
 - b) Transshipment centers
 - c) Fulfilment centers
 - d) Sortation centers
02. In warehousing terminology "WERC" stands for _____
- a) Warehousing Education and Research Centre
 - b) Warehousing Education and Research Council
 - c) Warehousing Equipment Recycling Centre
 - d) Warehousing Equipment Recycling Council
03. Which of the following country widely uses the pallet dimensions of 800 mm x 1200 mm?
- a) North America
 - b) Europe
 - c) Australia
 - d) Asia
04. Which of the following is not an example of type of transit packaging?
- a) Cardboard
 - b) Metal stillage's
 - c) Totes
 - d) None of these
05. ABC analysis is based upon the principle that _____
- a) there are usually a few critical items, and many items which are less critical
 - b) the safety stock in terms of volume should be higher for A items than for C items
 - c) all items in inventory must be monitored very closely
 - d) an item is critical if its usage is high
06. The purpose of safety stock is to _____
- a. replace failed units with good ones
 - b. control the likelihood of a stock out due to the variability of demand during lead time
 - c. eliminate the possibility of a stock out
 - d. eliminate the likelihood of a stock out due to erroneous inventory tally
07. The Cycle counting _____

- a. Can reduce lost production
 - b. Can be done by all personnel, including clerical staff
 - c. Is more concerned with correcting errors in inventory counts
 - d. Is slow to detect problems
08. The customer order profile includes all of the following expect:
- a. Lines per order distribution
 - b. Cube per order distribution
 - c. Order mix and lines per order distribution
 - d. Lines and cube per order distribution
09. Which of the following is not a type of pallet rack?
- a. Push in rack
 - b. Push back rack
 - c. Single deep rack
 - d. Double deep rack
10. Among the following which is not a type of forklift truck?
- a. Counter balanced truck
 - b. Side loading truck
 - c. Rider straddle truck
 - d. All are forklift trucks
11. Which of the following cannot be categorized under supply chain transaction execution?
- a. Inventory management system
 - b. Warehouse management system
 - c. Customer relationship management
 - d. Point of sale tracking system
12. The traditional productivity measures used in warehouses include _____.
- a. Measures are based on labour, space and equipment utilization
 - b. Measures looks at cost performance
 - c. Measures based on customer service measures
 - d. All the above

PART – B

Answer any **Five** of the following questions.

5 x 4 = 20 Marks

13. Discuss the reasons to hold the stock in warehouses in detail.
14. List out the warehouse trade-offs which are expected to recognize and balanced by a warehouse managers within the warehouse.
15. Discuss briefly about various types of warehouses.

16. Explain the attributes which we should look in for an effective Warehousing Management System?
17. Converse any two classification of inventory.
18. Explain different Logistics charging methods.
19. Describe the measures to prevent accidents when operating or working near forklifts in a warehousing operations.

PART – C

Question No.20 is compulsory and answer any three from the remaining five questions

4 x 7 = 28 Marks

20. Define Economic Order Quantity (EOQ) and list out the assumptions of EOQ. And solve the following problem.
An auto industry purchases spark plugs at the rate of Rs. 25 per piece. The annual consumption of spark plug is 18,000 no's. If the ordering cost is Rs. 250 per order and carrying cost is 25% p.a, what would be the EOQ and the number of orders to be placed in a year?
 21. What are the challenges faced by warehousing manager's in the era of competition.
 22. Describe the process of warehousing in detail.
 23. Briefly explain the Horizontal movement equipment used in warehouse.
 24. State the reasons for measuring the performance and productivity within the warehouse and how to choose the right performance measures?
 25. Explain the stages of fire risk assessment and need to have an emergency plan to address the fire safety in warehouses.
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