

INDIAN MARITIME UNIVERSITY
(A CENTRAL UNIVERSITY, GOVT. OF INDIA)

SEMESTER- II, SCHOOL OF MARITIME MANAGEMENT- JUNE 2014 EXAMS

LOGISTICS AND OPERATIONS MANAGEMENT (T 1205)
(AY 2013-14 batch onwards)

Time:- 3 Hrs
Date: 27.06.2014

Max Marks : 60

SECTION - A (12 X1 = 12 Marks)

Answer all the Questions. All Questions carry equal marks

1. Which one of the following is not a part of definition of logistics?
a) Flow of material b) Flow of human resources
c) Flow of information d) Flow of money
2. Which one of the following products is suitable for air transportation?
a) Heavy machinery b) Oil c) Fertilizers d) Gems and jewellery
3. Which of the following statements is not true
a) Containers are strong enough for repeated use.
b) Containers are specially designed to facilitate the carriage of goods by only one mode of transport.
c) Containers are fitted with devices permitting its ready handling, particularly its transfer from one mode of transport to another.
d) Containers are designed for easy filling and emptying.
4. Which one of the following is not a supportive component of logistics management?
a) Procurement b) Order Processing c) Information d) Material handling
5. Which one of the following is not a feature of decentralized warehouses?
a) Market coverage will be maximum b) Maximization of customer coverage
c) Less warehousing cost d) Stock-out situation
6. Which one of the following is not a part of the inventory procurement cost?
a) Cost of order processing b) Cost of transportation
c) Cost of invoice pricing d) None of the above
7. Inventory accumulated between the various departments' activities or stages to reduce the requirement for completely synchronized operations is known as
a) Pipeline stock b) Decoupling stock c) Safety stock d) Anticipation stock
8. Which one of the following is not a part of Network Design
a) Determination of location of each facility
b) Allocation of space for products in each facility
c) Resource allocation d) Determination of distribution strategies

9. Which of the following is not correct
- a) Even a good forecast may have significant errors
 - b) A good forecast does not require any monitoring
 - c) Forecasting requires estimation of errors
 - d) All forecasting is based on either an implicit or explicit model
10. Which one of the following is not a JIT attitude?
- a) Zero defects are necessary and attainable
 - b) Fast production is efficient
 - c) Safety stock is a waste
 - d) Ideal lot size is one
11. Order transmittal refers to a series of events that occur between
- a) The time a customer places an order and the time when the material reaches the customer's premises;
 - b) The time a customer places an order and the time the seller receives the order;
 - c) The time a customer places an order and the time the material is ready for delivery;
 - d) The time a customer places an order and the time the material is finally accepted by the customer.
12. Incoterms are devised and published by
- a) International Chamber of Commerce
 - b) World Bank
 - c) World Trade Organization
 - d) United Nations

SECTION - B

(5 X4 = 20 Marks)

Answer any FIVE questions not exceeding 200 words. All questions carry equal marks

13. Define the functions of logistics management.
14. What are the benefits of containerization to (a) Shippers, and (b) Port authorities?
15. Write short notes on (i) Bar Coding System (ii) Direct Shipment via Distribution Centre
16. Write short notes on (i) Safety stock of inventory, (ii) Inventory carrying cost
17. What is benchmarking?
18. Write a short note on various elements of transportation cost.
19. What is ABC analysis? Is it applicable in all cases?

SECTION - C

(4 X 7 = 28 Marks)

Answer question no.20 (compulsory) and any 3(three) from the rest:

20. Discuss the growing importance of logistics in India.
21. While making decisions regarding selection of transportation mode, what are the various factors that a logistics manager is suppose to take into consideration?
22. Discuss the role of demand forecasting on the effective performance of logistics and supply chain management.
23. While formulating warehousing strategy for the achievement of superior customer service, what are the various issues the logistics mangers are required to incorporate?
24. What do you mean by Supply Chain Relationships? Why it is important for the success of SCM?
25. A manufacturing company has determined from an analysis of its accounting and production data for a certain part that (i) its demand is 2,000 units per annum and is uniformly distributed over the year, (ii) its cost price is Rs. 10 per unit, (iii) its ordering cost is Rs. 150 per order, (iv) the inventory carrying charge is 24% of the inventory value. Further, it is known that the lead time is uniform and equals 15 working days, and the total working days in a year are 250. Determine :
 - (a) The economic order quantity;
 - (b) The optimum number of orders per annum;
 - (c) The total ordering and holding cost associated with the policy of ordering an amount equal to EOQ.
 - (d) The re-order level.
