



INDIAN INSTITUTE OF MATERIALS MANAGEMENT

Post Graduate Diploma in Logistics & SCM Post Graduate Diploma in Materials Management

DEC 2023

PAPER No.16 (enrolment code - CPS) PAPER No.14(enrolment code –PMM,PSM, CMM, CSM) [OFFLINE EXAM] LOGISTICS & WAREHOUSING MANAGEMENT

Date: 19.12.2023
Time: 10.00 am to 1.00 pm

Max. Marks 70
Duration 3 hours

Instructions

1. Part A is compulsory. Each sub question carries one mark. Total marks-20
2. Part B answer any 3 questions. Each question carries 10 marks Total marks-30
3. Part C is a case study with sub questions and it is compulsory. Total marks-20

Part – A

[20 Marks]

(Attempt all questions. Each sub question carries 1 mark.)

Q. 1. State True or False

(5 Marks)

- i. Pipe line transportation demands huge investment, but operational cost of moving certain products from one place to the other is very much reduced.
- ii. Managing slip hazard one of the way is to control it is using spot cleaning
- iii. There are vertical & horizontal Carousel that are available to suit warehouse requirement.
- iv. Operation & design of a warehouse depends upon the product mix.
- v. Organisations need to set up their warehouses on the basis of cost & customer service objectives.

Q. 2. Write full form of the following abbreviations.

(5 Marks)

- i. SWB (related to transportation logistics)
- ii. CWC
- iii. WIP
- iv. ZPS
- v. CONCOR

Q.3. Select the right answer from mix of probable answers.

(5 Marks)

- i. CHA stands for
 - a. Channel hire agent
 - b. Customized Channel Agent
 - c. Channel House Agent
 - d. Customs house Agent
- ii. In case of Close dry ports the distance between the dry port & sea port is not more than _____ Kilo meters.
 - a. 50
 - b. 75
 - c. 100
 - d. 150
- iii. The _____of warehouses is directly related to market coverage & effectiveness's & efficiencies of distribution system.
 - a. Size
 - b. Shape
 - c. Design
 - d Location
- iv. Among the functions of warehouse _____ is after handing over the products to the warehouse, the responsibility of these products, including any losses on account of shrinkage, theft or damage, is borne by the warehouse operator.
 - a. risk bearing
 - b. Financing
 - c. processing
 - d. transportation
- v. _____ This activity generally involves getting products or goods from one source & consolidating them with others that are from other sources & have the same destination, & finally sending the consolidated lot to the customer quickly.
 - a. Shipping
 - b. Receiving& put away
 - c. Order filling& picking
 - d. Cross-docking

Q.4. Fill in the blanks.**(5 Marks)**

- i. _____ entails taking & collecting products in specified quantity, prior to shipping the orders for customers.
- ii. The practice of carrying goods from one place to another in standard _____ of containers is known as containerization.
- iii. Prior to making, any sort of investment, before setting up of the CFS, or before submitting the application, the parties must obtain an in principle approval by the Jurisdictional _____.
- iv. In warehouse for outsourcing _____ synergy is the possible fit of the strategic priorities & business model of the partner organization are in alignment with client organizations.
- v. Working at height means working _____ or above the ground level, where some one can be injured after falling.

PART B**[30 marks]****(Attempt any 3. Each question carries 10 marks)**

- Q.5. a.** Describe the importance of Logistics Management. **(5 Marks)**
b. Explain the logistics activities in a manufacturing organization. **(5 Marks)**
- Q.6 a.** What are roles of Logistics in SCM? **(5 Marks)**
b. Explain why it is called ' Transportation is backbone of Logistics ' **(5 Marks)**
- Q.7 a.** Explain the procedure/guidelines & implementation for the approval of CFS. **(5 Marks)**
b. Explain " CAPELLA " **(5 Marks)**
- Q.8. a.** What are the importance of Dry Port ? **(5 Marks)**
b. Explain various types of Warehouses . **(5 Marks)**
- Q.9** Write short notes on any 2 of the following. **[2 x5= 10 marks]**
 a. Unit load concept in materials handling . b. Man on the board AS/RS
 c. Fire safety in warehouse d. Vitaseks warehousing Decision Matrix

PART C**[20 marks]****Q. 10. Case study – Compulsory**

ABC & Co. is a well known Distributor of Spares & Accessories, for a leading & International brand Auto Car Manufacturer, having 3 manufacturing units in India. This Car manufacturing Co. manufacture on an average 3000 cars a day in India, from its 3 manufacturing units. This Auto Co. has the biggest population of cars in India.

In spite of the best design of cars & its comfort for driving, the marketing department of this car manufacturer has reported recently for "loosing car orders " as the company is not in a position to provide/supply required spares to their service stations & customers on time. To overcome this problem, the Top management of this car manufacturer, has finalized the Distributorship for its spares section to M/s ABC & Co. & is sure that the problem of spare supply & loss of car sales would be overcome, considering their expertise in warehousing large Parts warehouses.

In this process M/s ABC & Co. have finalized a Central Spares warehouse in Nagpur the central India, & 4 regional warehouses, which would be supported by the central warehouse on regular basis.

You have been recruited by M/S ABC & Co. as Chief Warehouse Manager, considering your knowledge & expertise in handling such large central & decentralized warehouses. This warehouse will have about 45000 SKUs. You have studied SKUs & understand that there are 15 major fast moving car models & 30 slow moving car models & that the demand of spares going up steadily as the population of car is increasing. Under these circumstances, considering the World class warehouse requirement,

- a. Design & Draw a best Lay out for the Central warehouse showing & identifying locations for A Class items, & Safety & Security measures.
- b. Identify requirements of Material Handling Equipment considering Automation & minimum manual handling of Spares.
- c. Write down the Roles & Responsibilities of the Chief Warehouse Manager in this case.
