



INDIAN INSTITUTE OF MATERIALS MANAGEMENT

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

Dec 2024

PAPER No.14 (enrolment code –PMM,PSM, CMM, CSM)

LOGISTICS & WAREHOUSING MANAGEMENT

Date: 24.12.2024

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.
2. Part B answer any 3 questions. Each question carries 10 marks
3. Part C is a case study with sub questions and it is compulsory.

Total marks-20

Total marks-30

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. Logistics & Materials Management are one & the same.
- ii. Information sharing is an activity of SCM & not of Logistics Management
- iii. It is the responsibility of Logistics department to monitor & control unethical practices, while transporting valuable goods.
- iv. Logistics management maximises profit by integrating, organisations flow of materials, information & funds.
- v. SCM includes Logistics.

Q.2 Expand the Following Abbreviations: (5 Marks)

- i. SWB ii. POD iii. ICD iv. CHA v. CONCOR

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

1. _____ are terminals that are situated near the seaport.
a. CFS b. CHA c. Dry port d. CONCOR.
2. CAPELLA is
a. CFS, b. Dry port. c. part of CONCOR, d. software
3. In the outsourcing matrix, with the potential value to organisation versus organisational expertise, ----- activity is not outsourced.
a. Transactional, b. Partnership
c. Core, d. High potential value & low organisational expertise is Maximum.
4. Related to health & safety, it is essential to keep a good stock of sterile _____, in the warehouses, within access, especially those warehouses that have harmful substances & liquids
a. safety kit b. first aid kit c. fire extinguisher, d. eyewash
5. Most of the Slip hazards takes place, when the floor is
a. dry, b. clean. c. contaminated, d. dry & clean.

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

- i. SCM connects suppliers to customers by providing products, _____, & information and offering value added services.
- ii. Purchase order issued by an organisation to a supplier serves as a crucial _____ document between both of them.
- iii. _____ mode of transport demands huge investment, but still the operational cost of moving products from one place to other is reduced.
- iv. Among the factors influencing transportation _____ cost plays a very vital role in the transportation industry.
- v. ANS.A _____ is a document which states that goods have been received by the carrier.

PART B

(30 marks)

(Attempt any 3. Each question carries 10 marks)

Q.5. a. Explain different types of containers used to carry cargoes. (5 Marks)

b. What are the essential responsibilities of CFS? (5 Marks)

Q.6 a. What are the essential facilities provided by the CONCOR ? (5 Marks)

b. Explain the Container Booking Process Flow in Terminal & warehouse. (5 Marks)

Q.7 a. Name & explain the different types of warehouses. (5 Marks)

b. How does the warehousing helps in the growth of e-commerce ? (5 Marks)

Q.8 a. What are the roles & responsibilities of a Warehouse Manager? (5 Marks)

b. Why & when we do outsourcing of warehousing ? (5 Marks)

Q.9 Write short notes. ANY 2 Of the following (2x5= 10 Marks)

- a. Cross docking b. Aisle c. Automated picking d. AS/RS

PART C

(20 marks)

Q. 10. Case study – Compulsory

M/s XYZ Ltd. is one of the leading manufacturers of cars in India with their presence in India for last 4 decades. They manufacture cars in their 3 factories, mostly located in Northern India & cater to the requirements of all over India as well to their exports Market. They manufacture on an average 4000 cars per day. This quantity goes to 5500 per day, during peak demand. They have about 25 variants in basic model & capacity. However if you consider different colour shade they provide these cars, the variants works more than 100.

They have a very strong SCM in place & established very good vendor base & as well a good network of distributors & logistic providers. You have been employed as a consultant to them in their Warehousing, meant for spares as the company wants to focus on their spares sales, where they have better profitability. In this direction, you have been asked to design a "new modern spares warehouse." They have 120000 SKUs, including spares & sub-assemblies & kits. Weights of individual SKU vary from 100 gms to 75 kgs.

Questions :

- a. What all you would recommend in deciding the warehouse lay out for this spares warehouse ? How would you improve overall performance of Integrated Planning, Execution & Visibility through the system in SCM ?
- b. List down the material handling equipment that you would recommend for such warehouse, giving justification for all these machinery.
- c. List down Risk assessment for this warehouse as you perceive & list down Risk mitigation plan for this warehouse.