



# INDIAN INSTITUTE OF MATERIALS MANAGEMENT

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

DEC 2025

PAPER No. 14(Enrollment code : PMM, PSM, CMM, CSM)

## LOGISTICS AND WAREHOUSING MANAGEMENT

Date : 23.12.2025  
Time : 10.00 a.m. to 1.00 p.m

Max. Marks: 70  
Duration : 3 Hrs.

### Instructions:

1. Part A, contains 4 main questions (with 5 sub-questions) each question carries 1 mark - Total 20 marks
2. Part B answer any 3 questions out of 5 questions. Each question carries 10 marks - Total 30 marks
3. Part C is a case study. Read the case carefully and answer the questions - Total 20 marks

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### PART – A

(20X1= 20 Marks)

(Compulsory - Attempt all questions each question carries 1 mark)

#### Q.1 Select the right answer

[5 marks]

1. Logistics management is important for an organization to increase performance in multiple ways like  
(a) Transparency      (b) Transportation      (c) Warehousing      (d) All of these
2. Logistics management is a combination of many components like  
(a) Containerization      (b) Export formalities      (c) Import formalities      (d) Consolidation
3. Supply chain of an organization has many objectives like  
(a) Reduce waste      (b) Vendor management      (c) Improve quality      (d) Retain customer
4. Warehouse operations are outsourced by an organization for many reasons like  
(a) Lack of knowledge      (b) Lack of space      (c) Reduced issues      (d) Shared resources
5. A \_\_\_\_\_ is an inexpensive method of creating additional storage space in a warehouse  
(a) Cantilever rack      (b) Mezzanine      (c) Drive thru rack      (d) All of these

#### Q.2 Fill in the blanks

[5 marks]

1. A system that orders workers to pick from a location is a \_\_\_\_\_
2. Cross docking is a process adopted in \_\_\_\_\_ activities in a warehouse
3. Narrow aisle trucks are \_\_\_\_\_ equipment used in a warehouse
4. \_\_\_\_\_ is applicable to the process that directly sells to customers through online orders
5. \_\_\_\_\_ warehouses provide services of storage, shipping and other facilities according to contract

#### Q.3 Mention True or False

[5 marks]

1. Wide aisle truck is a positioning equipment used in the warehouse
2. Dry ports provide all the services offered by a normal seaport
3. Container Freight Stations are centres used for storing containers
4. Flat rack containers are generally used for the storage and movement of flat products
5. Standardization is one of the major advantages that promotes the use of containers

**Q.4 Match The following****[5 marks]**

COLUMN A		COLUMN B	
Sr. No.		Sr. No.	
1	Containerization	A	Fluid transport
2	Freight forwarders	B	Transport contract
3	Bill of lading	C	Flexibility
4	Pipeline transport	D	Supply chain management
5	Value for customers	E	Mediators between Seller & Buyer

**PART - B****[Total 30 marks]****Answer any THREE out of the following five questions:**

- Q5.** (a) Identify all the components of logistics management and explain each **[5 marks]**  
 (b) Identify and explain the important objectives of supply chain management **[5 marks]**
- Q6.** (a) Use of containers provide many benefits. Identify and explain each **[5 marks]**  
 (b) Identify the steps followed in the booking of containers when it is stuffed in the factory **[5 marks]**
- Q7.** (a) Identify and explain the steps followed in the assessment of risks in the warehouse **[5 marks]**  
 (b) What are the steps to perform a fire risk assessment? Identify precautions to be taken **[5 marks]**
- Q8.** (a) Briefly identify and explain the varieties of storage racks used in a warehouse **[5 marks]**  
 (b) A variety of containers are used in transportation. Identify and explain each type **[5 marks]**
- Q9.** (a) Transportation is influenced by many factors. Identify and explain the factors **[5 marks]**  
 (b) Many activities are part of logistics management. Identify and explain each **[5 marks]**

**PART - C****[Total: 20 Marks]****Q.10****CASE STUDY (Compulsory)**

M/s 3PL logistics is a company providing warehousing solutions to various customers. They were adding customers and this required adding warehouses and people with expertise to carryout the operations. They hired Mr King for taking care of the expansion activities. On completion of the expansion activities Nr King will be responsible for the efficient operation of the warehouse. Mr King is an expert, well aware of the roles and responsibilities. In his assignment of design and setting up a new warehouse Mr King had to consider various factors for the smooth and efficient operation of the warehouse. The warehouse has to equipped with equipment for storage, movement, etc. The new warehouse is specially deigned to handle customer orders efficiently. Many activities are part of order fulfillment for a customer. Product movement is the activity that is related to order fulfillment. Goods picking is an important activity that plays a major role. The optimization of the picking process results in increased productivity, reduced cost that help the organization to remain competitive.

Mr. King, having completed the installation and commissioning of the stores, took up the activity of optimizing the picking activity for improving the operations of the warehouse

**Questions:****[Total 20 Marks]**

1. What are likely to be the roles and responsibilities of Mr King, in warehouse operation? **[5 marks]**
2. What are the important factors in the designing of the warehouse. Explain each factor. **[5 marks]**
3. What are the categories of equipment used in warehouse. Explain the function of each **[5 marks]**
4. Identify all the benefits of optimizing the picking process. **[5 marks]**