



INDIAN INSTITUTE OF MATERIALS MANAGEMENT

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

JUNE 2023

**PAPER No.16 (enrolment code - CPM)
PAPER No.14 (enrolment code –PMM,PSM)**

LOGISTICS & WAREHOUSING MANAGEMENT

Date: 20.06.2023
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 Fill in the Blanks (5 Marks)

- a) Logistics Cost in terms of GDP % for India is -----
- b) *Barcodes* are used for -----
- c) Comparison of transport *modes* are based on -----
- d) Carousel *storage* is a system used to minimise -----
- e) A *sorting* system is also known as -----

Q.2 State TRUE or FALSE (5 Marks)

- a) *Order Taking* is not a logistics activity involving a manufacturing organisation.
- b) Wal-Mart ship *agricultural products* from India.
- c) Loads are sustained by rails with upright beams attached to them in a *Drive Through Rack*.
- d) *Inventory Control* balances customer satisfaction level and reduces cost at the same time.
- e) Logistics Management helps in cutting down on *Inventory and Storage* Costs.

Q.3 Match the Following: (5 Marks)

	Column I		Column II
a	Peter Drucker	1	Levy
b	Bharatmala	2	Warehouse Activity
c	Multi-Model Transport	3	Definition of Logistics
d	Customs Duty	4	Highways
e	Packaging	5	Combination

Q.4 Expand the Following Abbreviations: (5 Marks)

- a) APICS
- b) TEU
- c) WIIFW
- d) ZPS
- e) ROI

PART B (30 marks)

(Attempt any 3. Each question carries 10 marks)

Q. 5

- a) Explain *Risk assessment* in warehousing? [5marks]
- b) What are the 5 R's of Logistics – Discuss? [5marks]

Q. 6

a) Explain in detail the *product movement* activities in a warehouse? [5marks]

b) What are the objectives of Logistics Management? [5marks]

Q. 7

a) What is *Inbound and Outbound* Logistics - Explain in detail with examples? [5marks]

b) Different modes of transport demand different forms of infrastructure and technology - Explain? [5marks]

Q. 8

a) What are the various components of transportation - Explain? [5marks]

b) What are the points to be considered for effective *storage plan* in a warehouse? [5marks]

Q. 9 Write Short Notes on any 2 from the Following: [2 x5= 10 marks]

- a) RO-RO.
- b) Product-Mix Considerations.
- c) Conveyor.
- d) Aisle Width Decision.

PART C

[20 marks]

Q. 10. Case study – Compulsory

WELL PACK is a multinational corporation that operates in 14 European countries. They are famous for the quality of work in the areas of warehousing and logistics. This company offer transportation services, warehousing, reusable box washing services, mobile washing and many other popular services requested by business owners all over the world. WELL PACK is present in Germany, Austria, Poland, Russia, Romania, UK, France, Serbia, Czech Republic, Hungary and Greece. Their expansive warehouse network helps to provide companies with storage facilities and order fulfilment services. The business operations are run efficiently and smoothly due to the perfect location of the location of their centres. The warehouse logistics is based on the “fulfilment centre near me” concept, which means easy access, convenience and a wide range of services offered.

WELL PACK partners with those companies that appreciate the high standards of their fulfilment warehouse. One of them is a well-known German company that offers a wide range of products that include: clothing, furniture, household items, electronics and more. It uses Well Pack facilities for storing textiles, shoes, gifts, jewellery, watches and home accessories. But their cooperation is not limited to storage and also perform order processing as follows:

- Put the item into a specified plastic box according to the order.
- Provide the second quantity inspection with a scanner together with visual quality control before packaging.
- Provide additional activities if required before packing the box, such as light gluing, piece packing (fragile), etc.
- Pack in a selected box with documents or other material fillings
- Stick the address label if sticking of other labels (fragile, etc.) is required.
- Load into the specified container according to the destination.

Several factors have contributed to the effectiveness of this collaboration. First, is the location of the distribution centre. It is situated in a town near the CZE-GER border, which is a strategic point that makes delivery to Germany, the Czech Republic, Austria, Switzerland and Hungary fast and convenient. Another advantage is the engagement of 50-60 workers in full-time employment to undertake this job, so Customer needn't involve their employees in the process.

Questions:

- (1) What do you understand by *Fulfilment* from the above case?
- (2) Warehouse and Distribution centres are the same or not? Explain?
- (3) What have you understood about the *order processing* activity from the above case?
- (4) Explain the packaging activity carried out in the above case and what are the importance of each activity?
