



INDIAN INSTITUTE OF MATERIALS MANAGEMENT
Post Graduate Diploma in Materials Management
Graduate Diploma in Materials Management
PAPER No. 11

Dec 2018

LOGISTICS MANAGEMENT

Date : 29.12.2018
Time : 10.00 a.m. to 1.00 p.m.

Max. Marks :100
Duration : 3 Hrs.

Instructions:

1. **PART A** is compulsory. Answer all questions. Total marks = 32
2. From **PART B**, answer any three questions. Each question carries 16 marks. Total marks = 48
3. **PART C** is **Case Study** and is compulsory. Answer the questions reflecting through understanding of the case. Total marks = 20
4. Please read instructions on the answer sheet carefully.

PART A

32x1 = 32 marks

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

Q. 1. State True or False

- a. In April 2018, India's GDP reached to 10 %.
- b. 3 PL deployed by many leading industries, it has been a failure.
- c. Heavy Goods Vehicle means goods carrying the gross weight of which exceeds 24 M T.
- d. VAT is still applicable in certain States of India.
- e. Bar coding & Electronic Scanning are hardware cum software identification technologies.
- f. Intranet is type of information system that facilitates communication within the firm.
- g. Cross docking allows firms in movement of goods from buy & store concept to sort out & ship concept.
- h. EDI reduces clerical cost.

Q. 2. Write the full form of following abbreviations as used in the context of Logistics.

- a. RFID
- b. FDI
- c. ITS
- d. EDI
- e. ERP
- f. LIS
- g. 4 PL
- h. POS

Q. 3. Fill in the blanks

- a. _____ variance is an unexpected event that disrupts performance of the system.
- b. MRP is followed by Manufacturing Resource Planning which in nut shell is called as _____.
- c. Many factors like increased customer choices, product customisation, rapid technological improvements, global competition & upstream supply fluctuation, contribute to _____.
- d. Warehousing _____ the time & price capability of the overall logistical system.
- e. _____ delivers the desired item to the order selector by using a series of bins mounted on an oval track.

- f. _____ consists of checking & loading orders in to transportation vehicles.
 g. CTM means _____ Transportation Management.
 h. _____ Logistics is the term used to refer role of logistics in product returns, recycling etc.

Q. 4. Match column A with correct responses from Column B.

Column A	Column B
1. In Refilling, the delivery vehicles, deliver the package to retailers.	a. Producer & final customers
2. The warehouse rent	b. Principles of logistic information-system
3. These are typical channels in which a 3 rd Party is involved	c. Are WMS deliveries
4. Means the person named in the multimodal transport consignment	d. Depositor
5. Person who delivers goods to the warehouse man, for storage	e. Consignee
6. Accuracy improvements labour savings & better space utilisation	f. & at the same time, collect empty containers too.
7. Availability, Accuracy & Timeliness are	g. is part of Inventory cost
8. Distribution channel is the bridge between	h. Indirect level channel in distribution of products & services.

PART - B

Write any three (3) of the following questions – 16 marks each 48 Marks

- Q. 5 . a.** Design and draw Lay out for a Auto industry Spare Parts Warehouse.
b. Explain the important criteria's for choosing each of Storage section, Plan , Bays & Classification etc.
- Q. 6.** Explain different kind of Material Handling Equipment & Storage Systems, used in a Refinery Warehouse , which have very Heavy as well as Light parts , Consumables, Equipment Accessories.
- Q. 7.** Write notes on any 2 of the following.(**2x 8 = 16 marks**)
 a. Distribution Cost.
 b. 4 PL.
 c. Reverse Logistics
 d. Inventory Carrying Cost..
- Q. 8.** a. Explain Channel Flows in Distribution Function.
 b. How do you Select and Evaluate Channel Members , in Channel Management of a Distribution System ?
- Q.9.** a,. List down all the Variables, with respect to the Transportation cost .
 b. How do these variables affect the transportation cost ?

Q. 10. CASE STUDY – Compulsory.

You are In charge of all the Logistics and Warehousing operations, of M/s Mahindra and Mahindra Ltd., for their Car and SUV Manufacturing Division. This Division has Four Car and SUV Parts making plants at different locations in India. In addition they have three CAR and SUV Assembly Plants at different States of India. Under these circumstances, you are required to

- a. Draw organisation chart for your inbound and outbound Logistics department.
- b. Draw Organisation Chart for their entire Warehousing department.
- c. Explain the job responsibilities for the outsourcing agency for certain jobs.
- d. Write down the Job Responsibilities of Logistics head.
- e. Your firm has planned for increase in production of cars by 50 % in next 2 years. In this connection you have been asked to draw Cost reduction for Logistics and Warehousing Function. List down the same.
