



INDIAN INSTITUTE OF MATERIALS MANAGEMENT

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

Dec 2023

PAPER No.14 (enrolment code –PMM,PSM, CMM, CSM) [ONLINE 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. The logistics cost in terms of GDP in % in India is 21 % .
- ii. Create & maintain customer support is not an objective of Logistics Management.
- iii. Improve quality is one of the objectives of SCM.
- iv. Logistics relates to one component of supply chain.
- v. Air transport is used to transport goods which are only perishable.

Q. 2 Write full form of the following abbreviations.

(5 Marks)

- i. FCL
- ii. AWB
- iii. CHA
- iv. ICD
- v. CONCOR

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

(5 Marks)

- i. Pipeline mode of transport demands huge investment, but still the operational cost of moving products from one place to another is _____.
a. more , b. exorbitant, c. reduced , d. not economical.
- ii. _____ cost plays a very vital role in the transport industry.
a. Vehicle, b. Overheads c. Fuel, d. Communication
- iii. Each container is given a _____ identification number & a code which defines its size.
a. Adhaar, b. coded, c. unique, d. special.
- iv. _____ provide services of containerized goods for international trade purposes.
a. Dry Port. b. CFS. c. CONCOR d. CHA
- v. CFS _____ the transit of goods by rail/ road to & from serving ports for exporting & importing goods & cargoes.
a. helps b. monitors c. works for d. facilitates

Q.4. Fill in the blanks.

(5 Marks)

- i. The biggest disadvantage of use of containers is they are also used for _____ trade.
- ii. In the core functions of CONCOR, it sets up & manages all the CFS & ICDs of the country & acts as a _____ on behalf of the customs.

- iii . Prior to making any sort of investments, on CFS, before setting up, on or before submitting of application, the parties must obtain an in principle approval by _____ Customs Commissioner.
- iv The benefits of CFS is that it assists in reducing the level of _____ & _____ of goods when handled by CFSs
- v. CONCOR was incorporated as a public sector entity, which was given autonomous rights under_____.

PART B

[30 marks]

(Attempt any 3. Each question carries 10 marks)

- Q.5. a.** Explain with flow chart the booking process flow, in case of Factory stuffing. **(5 Marks)**
b. In the role of CONCOR explain the major activity of Terminal & Warehouse operator. **(5 Marks)**
- Q.6. a.** Explain the concept of Dry Ports. **(5 Marks)**
b. Describe the major services provided by the Dry Ports. **(5 Marks)**
- Q.7 a.** Explain the process of a warehousing with examples. **(5 Marks)**
b. Give various considerations in selecting a modern warehouse. **(5 Marks)**
- Q.8.a** Explain the risk of Slips & Trips in a Warehouse & how do you minimise them ? **(5 Marks)**
b. Explain the various criteria for going for outsourcing of warehouse? **(5 Marks)**
- Q.9 Write short notes. Choose Any 2 (2 x5= 10 marks)**
 a. Warehouse Design b. Goods Picker
 c. Storage Carousal d. Third Party Contractors

PART C

[20 marks]

Q. 10. Case study – Compulsory

M/s MNC Foundry Ltd is a leading steel foundry with manufacturing facilities with 3 decades in India. They cater their castings as per customer requirement for Cement, Automobile & other OEMs. They have gone for modernizing their foundry with latest Induction as well arc furnaces with machine moulding & Core making & fettling facilities. They need to modernize their warehousing, for storage of patterns 300 in no. weighing from 1 kg to 450 kgs of each item, sand 60 tons in 3 varieties, 7 types of Chemicals & most important machinery spares about 750 in no.s weighing 200 gms to 75 kgs of each item.

You have been appointed as In Charge of this new Warehouse & have been assigned with designing modern warehouse for this organization. You have vast experience in such assignments.

Under these circumstances,

Questions:

1. Design a modern lay out for the warehouse for this organization, accommodating above category of items for this foundry. **(6 marks)**
2. List down major latest material handling equipment & storage means & show them in the lay out where ever possible. **(7 Marks)**
3. Draw an optimum organization Chart for this warehouse considering 2 shifts of operation , showing their title. You may Assume any missing data. **(7 marks)**