



**INDIAN INSTITUTE OF MATERIALS MANAGEMENT**  
**Post Graduate Diploma in Supply Chain Management & L**  
**Paper 16**  
**LOGISTICS MANAGEMENT**

**March 2020**

Date: 05.03.2020  
 Time: 10.00 a.m to 1.00 p,m

Max. Marks 100  
 Duration 3 hours

**Instructions**

1. Part A is compulsory. Each sub question carries one mark.
2. In Part B answer any 3 questions out of 5. Each question carries 20 marks
3. Part C is a case study with sub questions and it is compulsory.

Total marks-20  
 Total marks-60  
 Total marks-20

**PART A** (compulsory)

(20x1= 20 marks)

Answer all questions. Each sub question carry 1 marks ..

**Q. 1. State True or False [ 5 marks ]**

- a. Insurance organisations only cover risks during transportation.
- b. Port& Customs authorities are the same.
- c. Security& Safety are only the benefits of containerisation.
- d. CAPELLA is a container management software.
- e. Hinterland refers to the areas of the country, that are away from the sea and river body.

**Q 2. Write the full form of following abbreviations as used in the context of SCM. [ 5 marks ]**

- a.LCL b. BOL c. GRAI d.TEU e. ULD

**Q. 3. Fill in the blanks [ 5 marks ]**

- a. \_\_\_\_\_ are those type containers which comes with that of detachable & collapsible sides.
- b. Terminal facilities is one of the factors influencing \_\_\_\_\_.
- c. Logistics is one of the \_\_\_\_\_ of supply chain addressing efficient product movement, such as from manufacturer to retailers.
- d. In operation phase of SCM, we generate \_\_\_\_\_ list at a warehouse.
- e. \_\_\_\_\_ involves transportation of merchandises & reduces the possibility of damage, caused during transit.

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

[ 5 marks ]

Sr, no	Column A	Sr. no.	Column B
1.	Cloud access	a.	to ensure timely dispatches of the products .
2.	Component of logistics is	b.	is importance of logistics management
3.	Reverse logistic is	c.	enables even small enterprise to use expensive enterprise resource planning software.
4.	To increase revenue	d.	consolidation
5.	The objective of logistics management is -	e.	type of logistics

**PART - B**

(Total 60 marks)

Answer any 3 questions, out of 5 questions. Each question carry 20 marks.

- Q 5 a.** Describe the importance of vehicles & infrastructure, in the concept of transportation. [ 10 marks ]
- b.** What are the advantages of road transport ? [ 10 marks ]
- Q. 6. a.** Explain with flow chart the container booking process. [ 10 marks ]
- b.** Explain the important terms used in shipping . [ 10 marks ]

- Q. 7. a.** Explain with various warehouse lay outs, the important activities of common warehouse. [ 10 marks ]
- b.** Explain leading types of packaging materials used , to achieve packaging objectives. [ 10 marks ]
- Q 8. a.** What are the Various documents used in transportation ? Explain . [ 10 marks ]
- b.** Describe functions of logistic intermediaries. [ 10 marks ]
- Q 9. Write short notes on any 4. ( 4 x5 = 20 marks)**
- |                   |                                |                 |
|-------------------|--------------------------------|-----------------|
| a. Rail transport | b. Dry ports                   |                 |
| c. Types of ships | d. Direct distribution channel |                 |
| e. Cloud services | f. 4PL                         | g. VED Analysis |

## **PART -- C**

**(Total 20 marks)**

### **Q. 10. CASE STUDY – Compulsory.**

There have been still shortage of power in India. For our growth, power is required in huge quantity. Knowing this our Government is focussing on power projects like Hydel power, Thermal power, Nuclear power, Wind energy, Solar power etc. With this in mind the Government has come up with large Power projects, all across our country, by identifying the various resources of power. One such hydel project has come up, in Kashmir , a place called Bandipura, 85 kms from Srinagar.

A leading Engineering Construction Company M/s HCC ( Hindustan Construction Co Ltd , has bagged a Turnkey hydel project from M/s NHPC ( National Hydel Power Corporation a, Govt body ) This mega project construction includes a water tunnel of 24 kms, for transporting water from dam to powerhouse, which is 5.8 meter diameter. For this operation and construction, project needs several high capacity construction machinery, many of them need to be imported. TBM ( TUNNEL BORING MACHINE ) IS ONE SUCH MACHINERY.

The project management have decided to import this TBM MACHINE FROM ITALY. This machine would require about 170 containers and 10 ODC / BREAKBULK Consignment to get them transported from ITALY by ship to Mumbai and JNPT Port near Mumbai and then move them by road to its project destination at Bandipura near Srinagar in Kashmir.

Out of these height of ODC consignment, biggest of them is 72 tons , single item with height of 3.9 meter. The preliminary study made indicated that the route that need to be followed is Mumbai - New Delhi - Jammu - Srinagar – Bandipura. Between Jammu and Srinagar there are 2 road tunnels, one of the famous Jawahar tunnel through which these consignments need to be transported. At Jawahar tunnel you can move only consignments of height 4.6 meter. The route from Jawahar tunnel towards project site there is heavy snow fall from Dec to March of the year. The route from Jammu to Srinagar and then to BANDIPURA Project site the road has steep gradient and need high power transportation vehicles. In addition this stretch of road has few steel bridges constructed by Army & need approval from them before moving any ODC consignments for security reasons.

Ms HCC have chosen you as Logistics Manager for this Project execution & handling the transportation of such consignments, considering your past experience of handling such project Cargo, in India. However any damage, or delay in transportation of any of these containers or ODC consignments mean, delay in Important project, of National importance and will not be tolerated by the top management. Monitoring of each of the activities , decision making by you for handling these project cargo is monitored by high level top management of M/s HCC. Your success in this will bring you a double promotion with bigger emolument,.. and you would be a blue eyed man in this organisation. In this scenario,

- a. List down, 3 important decisions that you would take in handling of this logistic assignment for its 100 % success.
- b. What vehicles you would deploy for transportation of these consignments by road in the route suggested ?
- c. Explain the reports that you would, for monitoring these critical consignments.
- d. Describe the job responsibilities, that you would demand and put in the scope of your outsourced logistic service provider.
- e. Draw your job responsibilities.