

**IMC CHAMBER OF COMMERCE AND INDUSTRY
ADVANCED CERTIFICATE IN LOGISTICS AND SUPPLY CHAIN**

May-June 2022

Subject: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Date: 28.05.2022

Marks: 100

Time: 10.30 a.m. to 1.30 p.m.

NOTE:

- **Answer any five questions. Each Question carries 20 marks.**
- **Correct question number should be indicated against each answer.**

Q.1 Define “Logistics” & Explain relationship between “Logistics” & “Supply Chain Management”.

Q.2 List out & explain Role of any (4) Means & Modes of Transport in International Trade.

Q.3 Explain in detail Pre-Shipment, Shipment & Post Shipment Stage in Export Logistics.

Q.4 Explain Inco terms 2010 & explain any (3) Inco terms in detail. List out any (3) Changes made in Incoterms 2020.

Q.5 Explain in detail Supply Chain Strategies based on Current disturbed scenario due to pandemic.

Q.6 Distinguish between:
1. Private & Public Warehouse.
Inbound & Outbound Logistics.

Q.7 Short Note (Any Two).

1. Supplier Relationship Management
2. Concept of 3 PL & 4 PL
3. Distribution Management
4. Green Logistics

IMC CHAMBER OF COMMERCE AND INDUSTRY

**ADVANCED CERTIFICATE IN LOGISTICS & SUPPLY CHAIN (ACLSC)
MAY-JUNE 2022**

SUBJECT: WAREHOUSING

Date: 29.05.2022

Marks: 100

Time: 10:30 a.m. to 1:30 p.m.

NOTE:

- a) Answer any five questions. Each question carries 20 marks each.**
- b) Correct question number must be mentioned against each of the answers**

Q1. What are the various factors to consider for Warehouse Location and Construction?

Q2. Explain various Functions of Warehousing.

Q3. What are the types of Warehousing?

Q4. Write down a detailed comparison between Private Bonded Warehouse, Public Bonded Warehouse, Climate Controlled Warehouse.

Q5. Explain various Transactions that take place in a Custom Bonded Warehouse.

Q6. Calculate total import duty in rupees only while importing goods as per following given data.

Foreign supplier's Invoice value of the goods are as under (import duty is to be calculated as per GST rate)

- a) CIF value of the goods up to Nhava sheva seaport : \$2000.00
- b) Basic customs duty (BCD) ----- 5%
- c) Social welfare surcharge (SWC)-----3%
(2% on primary and 1% on secondary education)
- d) Integrated Goods & Service Tax (IGST) while importing cargo in India –18%
- e) Port Landing Charges on CIF value in rupees ----- 1%
- f) (CBEC-customs exchange rate Rs 76.00 per dollar)
Calculate Import duty in Indian rupees only

Q7. Write short notes on **any two**:

- (a) RFID
- (b) Freight Forwarding
- (c) ADC i.e. Automatic Data Collection
- (d) Basic difference between LCL & FCL cargo
- (e) Robotics

Q8. Explain the purpose and importance of packaging, Labelling, Marking etc. in warehousing.

Q9. Write short notes on **any two**:

- (a) Role of Customs brokers-CHA
- (b) Marine Insurance premium
- (c) Yard management
- (d) Workers safety in Warehouse Design



**IMC CHAMBER OF COMMERCE AND INDUSTRY
ADVANCED CERTIFICATE IN LOGISTICS AND SUPPLY CHAIN
May-June 2022**

Subject: TRANSPORTATION INFRASTRUCTURE

Date: 04.06.2022

Marks 100

Time: 10:30 a.m. to 1:30 p.m.

NOTE:

- **Answer any five questions. Each Question carries 20 Marks.**
- **Correct question number should be indicated against each answer.**

Q.1. List out different means and modes of Transport used in International Trade and explain any two modes of Transport in detail.

Q.2. Explain the Parameters of selection of shipping line.

Q.3. a) List out & explain different types of containers (Preferably with Diagram)
b) Explain Types of Lashing of Containers.

Q.4. Explain in detail five Charter Party Clauses.

Q.5. Explain Multimodal Transport and its advantages in International Trade.

Q.6. Explain Advantages of Containerization to Ship-owners, Shippers and Consignee.

- Closing stock is valued at Rs. 20,000/-
- Apply 10% Depreciation on Plant and Machinery, 5% on Building and Furniture.

Requirement: Prepare the trading and profit and loss account of the business for the year ended 31.03.2016 and a balance sheet as at that date.

- a) The Current Ratio of an entity is 1.25:1. Net Working Capital is Rs. 40 lakhs. Calculate the value of the Current Assets **(5 marks)**.
 - b) From the following figures, calculate the Quick Ratio **(5 marks)**:
 - Cash on hand: Rs. 20,000
 - Bank balance: Rs. 75,000
 - Sundry Debtors: Rs. 1,00,000
 - Inventories: Rs. 1,40,000
 - Prepaid expenses: Rs. 10,000
 - Sundry Creditors: Rs. 1,00,000
 - Long term Debts: Rs. 5,00,000
2. From the following figures of an entity, calculate the Interest Service Coverage Ratio **(10 marks)**
 - Net Profit before tax : Rs. 800 lakhs.
 - Income Tax 20% on Net Profit
 - Depreciation : Rs. 180 lakhs.
 - Interest on Term Loan : Rs. 220 lakhs.
 - Term Loan Instalments payable during the year : Rs. 280 lakhs.
3. From the financial statement of a manufacturing concern, you observe the following figures:
 - Selling price of its product: Rs. 400 per unit.
 - Variable Cost : Rs. 240 per unit.
 - Fixed Cost : Rs. 24 lakhs.
 - Calculate at the P.V. Ratio of the entity **(5 marks)**
 - Calculate the Break-even sales in rupees of the entity **(5 marks)**
4. Explain briefly the meaning, the contents and importance of Balance sheet **(10 marks)**

Part II Inventory Management (Total Marks – 50)

- **Question No.6 is Compulsory and carries 30 marks.**
- **From Question No. 7 to 10, answer any two Questions. Each Question carries 10 marks each.**

Q.6 a) Explain the concept of Economic Order Quantity (EOQ) under Inventory Management with graphical representation. **(15 marks)**

b) The annual usage of raw material is 5,76,000 units. Cost per unit is Rs.400. Cost of carrying one unit for one year is 10% of cost and cost of placing an order is Rs.800. Find out EOQ. **(15 marks)**

Q. 7 a) Define Management and explain the concept of POSDCORB in detail? **(6 marks).**

b) How the above concept, as per your opinion, can be applied in Inventory Management. **(4 marks)**

Q.8 The following record is taken from the Stores Ledger of manufacturing concern: **(10 marks)**

Date of Transaction	Details	Unit Cost (Rs.)	Total Units purchased	Given for Production
02/4/2021	Purchase of raw material	400	1,000	
09/4/2021	-do-	420	1,500	
16/4/2021	-do-	430	2,000	
23/4/2021	Given for Production			1,300
30/4/2021	-do-			1,800

- The unit is presently following the LIFO method of inventory valuation. However, the Management wants to change the method to FIFO. In that case, work out the cost impact for the unit (whether the unit would incur profit or loss by changing the inventory valuation method).

Q.9 Sales Turnover of a manufacturing concern is Rs. 32 lakhs. Profit margin is 20%. Opening Stock and Closing Stock levels are Rs. 6.40 lakhs and Rs. 9.60 lakhs. Assume Working Days in a year is 240 days. Find out the Inventory Turnover Ratio as well as the Inventory Conversion period. **(10 marks)**

Q.10 In management of inventories, an entity should always strive to determine and achieve the optimum level of inventory. Different tools of inventory analysis are available in arriving at the optimum inventory level. Out of this, explain in detail any **two** from the below mentioned Inventory analysis: **(10 marks)**

- GOLF analysis.
- SDE analysis.
- HML analysis.
- S-OS analysis.
- Just in Time analysis.

**IMC CHAMBER OF COMMERCE AND INDUSTRIES
ADVANCED CERTIFICATE IN LOGISTICS & SUPPLY CHAIN (ACLSC)
MAY-JUNE 2022**

SUBJECT: SHIPPING & LOGISTICS –STATUTES & OBLIGATIONS

Date: 11.06.2022

Marks- 100

Time- 10:30 a.m. to 1:30 p.m.

NOTE:

- **Answer any 5 questions. Each question carries 20 marks.**
- **Correct question number should be indicated against each answer.**

Q1. Calculate the **(i)** CIF value of the goods in Indian Rupees **(ii)** CIF Assessable Value of the goods in Indian rupees **(iii)** Total Customs duty payable in Indian Rupees based on the following details: Foreign supplier submitting commercial invoice as under for import of goods at Nhavasheva seaport from Dubai factory.

- (a) Ex-works value of the goods in Dubai factory duly packed -----\$1000.00
- (b) In -Land Transport journey (Local Transportation in Dubai)
From Ex-works Factory to Dubai seaport -----\$60.00
- (c) Marine Insurance premium paid in Dubai covering all Risks-----\$5.00
- (d) Customs house clearance (Customs Brokers) brokerage charges in Dubai---- \$10.00
- (e) Ocean Sea Freight from Dubai seaport to Nhava sheva seaport-----\$80.00
- (f) Importer's Agent commission fees paid at Dubai-----\$ 10.00
- (g) JNPT Nhava Sheva Seaport Landing Charges 1% of the CIF value of the goods in Indian Rupees
- (h) Basic Customs duty while importing into India -----5%
- (i) IGST—Integrated Goods and service Tax -----18%
- (j) SWF – Social welfare surcharge -----3%
(2% on Higher education and 1% on secondary education)
- (k) Customs Exchange Rate - CBIC – Rs 75.00 per dollar

Q.2 Explain the basic difference between Export & Import.

Q.3 What are the different types of Import duties levied and collected on imported goods?

Q.4 Explain in brief Role of Indian Customs and its Organization structure.

Q.5 Write short notes on **any two**.

(a) IGM

(b) EGM

(c) Shipping Bill

(d) Bill of Entry

Q.6 Write short notes on **any two**.

(a) CFS

(b) ICD

(c) Marine insurance premium

(d) LCD

Q.7 Explain the following terms:

(a) IGST

(b) CGST

(c) SGST

(d) AEO

(e) H S Code & ITC

Q.8 Explain in brief various Types of Containers.

Q.9 Explain sequences of various operations right from arrival of a ship at a port till its departure.

Q.10 Role of Clearing & Forwarding (C & F) Agents.

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