

EXAMINER'S REPORT FOR PUBLICATION

QUESTION 1

Identify and describe FIVE elements of an intermodal transport system through which containers are conveyed?

*Reference Answer: LMT Book pp.8.*

The elements are the following:

1. Containers: Standardised containers. Specialised containers.
2. Modes of Transport: Maritime transport (mother and feeder containerships). Inland waterways (container barges). Rail transport (rail wagons, single stack, double stack and triple stack containers). Road transport (tractors and trailers or tractor units and semi-trailers).
3. Intermodal terminals: Seaports and Inland waterways/River ports. Rail terminals. Dry ports. Freight villages. Inland container depots. Inland clearance depots.
4. Handling equipment: Gantry cranes. Rubber-tired gantry cranes. Rail-mounted gantry cranes. Straddle carriers. Reach stackers. Forklifts. Tractor and trailer units. Automated guided vehicles.
5. Information Systems and Technology: Tracking and Monitoring Systems. Terminal Operating Systems. Emerging technologies that enhance transparency and security, such as blockchain and smart contracts.
6. Infrastructure and Superstructure: Highways. Rail Networks. Port/terminal infra- and superstructure.
7. Logistics and Coordination: Shipping companies, NVOCCs and freight forwarders. Customs and Border Control. Third-Party Logistics Providers.
8. Regulations and Standards: International and National Regulations. Standardisation
9. Sustainability Considerations: Sustainable practices. Carbon Footprint Monitoring.
10. Economic factors: Door-to-door/through transport pricing. Cost efficiency and tariffs and fees

QUESTION 2

Define and describe FIVE of the following shipping terms.

- |                             |                  |
|-----------------------------|------------------|
| - Light displacement        | - Length overall |
| - Deadweight cargo capacity | - Beam           |
| - Lane metres               | - Draft          |
| - TEU capacity              |                  |

*Reference Answer: LMT Book pp.26-29.*

QUESTION 3

Identify and describe in detail FOUR of the container shipping service options available to liner operators when expanding their business.

*Reference Answer: LMT Book pp.67-103.*

The maritime service options available are the following:

1. End-to-end services
2. Pendulum services
3. Triangular services
4. Round the world services
5. Double-dipping services
6. Hub and spoke (mother feeder vessels)
7. Relay services (between deep sea vessels of the same shipping company)

8. Interlining services (between two different deep sea shipping companies).
9. Joint services include:
  - a) vessel sharing agreements,
  - b) slot sharing agreements,
  - c) slot charterer agreements, and
  - d) shipping alliances.

#### QUESTION 4

Q4. Compare and contrast the activities of 'non-vessel-operating carriers (NVOCs)' and 'Groupage operators and consolidators'.

*Reference Answer: LMT Book pp.91-93.*

The answer should address the following topics:

1. Definition of Non-Vessel-Operating Carriers (NVOCs)
2. Definition of Groupage Operators and Consolidators
3. The comparison and contrast should cover the following aspects:
  - a. Role and function
  - b. Services offering/scope
  - c. Customer base
  - d. Market focus
  - e. Flexibility and control
  - f. Responsibility and liability

#### QUESTION 5

Define and briefly explain FIVE of the following surcharges that multimodal transport operators can implement to compensate for economic, labour, and geographic changes taking place internationally.

- |       |       |
|-------|-------|
| - BAF | - PSS |
| - CAF | - SCS |
| - ERS | - THC |
| - OWS | - WRS |

*Reference Answer: LMT Book pp.121-122.*

4. BAF - Bunker adjustment factor
1. CAF - Currency adjustment factor
2. ERS - Equipment repositioning surcharge
3. OWS - Overweight surcharge
4. PSS - Peak season surcharge
5. SCS - Suez Canal surcharge
6. THC - Terminal handling service
7. WRS - War risk surcharge

#### QUESTION 6

Explain in detail the challenges and strategies of TWO of the following aspects that shipping companies must deal with when managing their container fleet.

1. Container fleet optimisation
2. Equipment imbalances
3. Container maintenance and repair

4. Cost-efficiency across global trade routes

Reference Answer: LMT Book pp.144-150.

**QUESTION 7**

Identify and explain the FOUR INCOTERMS that can be used for transporting cargo by shipping and inland waterway services.

Reference Answer: LMT Book pp.149-150.

The answer should address the following topics.

1. Free alongside ship (FAS)
2. Free on board (FOB)
3. Cost and Freight (CFR)
4. Cost, insurance and freight (CIF)

**1. Free Alongside Ship (FAS)**

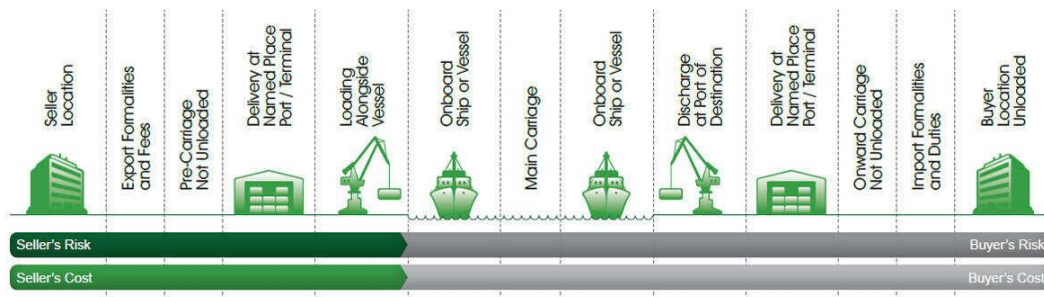


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**2. Free on Board (FOB)**

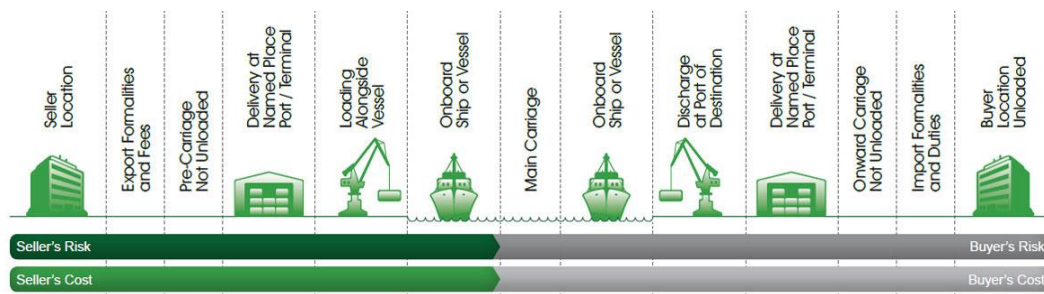


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**3. Cost and Freight (CFR)**



Image Source: <https://www.aitworldwide.com/resources/incoterms/>

#### 4. Cost, Insurance, and Freight (CIF)



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#### QUESTION 8

Identify and describe the information that shipping companies need to address during their market research process.

*Reference Answer: LMT Book pp.243.*

Aspects to considered by shipping companies include

1. Are companies in the right marketplace?
2. Are the services offered the ones that the customers actually want?
3. Does the route, schedule, transit, equipment, etc., meet customers' needs?
4. Is there a future in these markets?
5. What is changing or likely to change, and what are the implications/trends?
6. What about new routes/products?
7. Should there be expansion, and if so, how should it be achieved?
8. Competitive position
9. How competitors are perceived, and how do strengths and weaknesses compare?