



INSTITUTE OF
CHARTERED
SHIPBROKERS

NOVEMBER 2023 EXAMINATION SESSION
TUESDAY 28th NOVEMBER 2023 – MORNING

LOGISTICS & MULTI-MODAL TRANSPORT

Time allowed – three hours

Answer any FIVE questions – all questions carry equal marks

Please read the questions carefully before answering

1. Explain **FOUR** of the following terms/abbreviations and their significance in multi-modal transport:

- i. CAF
- ii. COFC
- iii. Hub and Spoke
- iv. JIT
- v. NVOC
- vi. THC
- vii. Waybills

2. Containerships are one of the ship types being used in multi-modal transport. What is the impact of increasing containership size in providing multi-modal transport services?

3. Answer **BOTH** parts of the question.

Cargo bound to the United States East Coast from China/Japan goes via the Panama Canal. When the Panama Canal is affected by water shortage due to low rainfall, there is a reduction in ships' draft and the number of daily transits, creating a maritime bottleneck.

- a) How can container shipping companies overcome the constraints caused by this maritime chokepoint?
- b) What are the logistics impacts that importers and exporters using United States East Coast ports as gateways have to deal with?

PLEASE TURN OVER.

4. Answer **BOTH** parts of the question.

The internationalisation and globalisation of economies has resulted in complex and extended supply chains. Companies need to use computer applications to gain control over multimodal transport services performance.

- a) Identify and describe the type of computer applications that businesses need to consider.
- b) Explain the advantages and disadvantages of using computer applications in freight transport.

5. You are the pricing manager for a global logistics provider. You have a regular door-to-door shipment of FCL containers of electronic equipment produced 100km from Shenzhen, China, to be delivered to Duisburg (Germany), located on the river Rhine, via the port of Rotterdam. The distance from Rotterdam to Duisburg is 215 km.

Identify the different factors to consider when deciding on which price to quote.

6. Answer **BOTH** parts of the question.

- a) Identify and explain the different types of bills of lading used in multi-modal transport and discuss their functions.
- b) Explain in detail why documentary credits are the most frequently used payment method for long-distance commerce and the role of bills of lading in this payment method.

7. Answer **ALL** parts of the question.

The IMDG Code governs the movement of dangerous goods by sea.

- a) Explain the objective of the IMDG Code.
- b) Identify the different IMDG classes.
- c) Explain the aspects to be considered when shipping dangerous goods by sea.
- d) How do the Hague-Visby and Hamburg conventions deal with the carriage of dangerous goods?

8. Answer **BOTH** parts of the question.

Container shipping companies' growth can either be achieved through mergers and acquisitions, or through organic growth.

- a) Compare and contrast each of these options, considering the advantages and disadvantages of each growth strategy.
- b) Identify which of these growth approaches can be hampered by the regulatory authorities.