



TUESDAY 20<sup>TH</sup> NOVEMBER - MORNING

## LINER TRADES

Time allowed – three hours

Answer any FIVE questions – all questions carry equal marks

Please read the questions carefully before answering

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

a) Draw a profile and cross-section of a feeder (up to 3000 Teu) vessel and include within the drawing the main features of the vessel and its dimensions.

b) Describe TWO trade routes (including load and discharge ports) where this vessel would operate and the likely developments which could affect its deployment in the next few years noting the recent consolidation in the feeder market.

Use the world map provided to support your answer.

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

a) Explain in detail what vessel operating costs are and the revenue sources which should cover these costs.

b) Discuss how costs can be reduced by the carrier in situations where revenue does not cover costs.

3. Rising bunker prices are affecting carrier costs. The new MARPOL2020 global low sulphur fuel regulation is going to further affect price and availability of bunker fuel. Discuss these changes and the measures carriers will need to employ to combat this.

4. Using the world map provided, describe **TWO** of these trade routes showing these trades and their key ports of call. Describe size of trade, size of vessels used and key cargoes moving in both directions.

- i. Europe to East Coast South America
- ii. Europe to South Africa
- iii. Asia to East Coast North America

**PLEASE TURN OVER**

5. Choose **TWO** of the following cargoes. Identify **TWO** major trades on which they are shipped detailing the main ports of loading and discharge. Explain the types of container equipment used and any special requirements or precautions that may need to be taken to protect the cargo.
- i. Avocados
  - ii. Bulk non hazardous Chemicals
  - iii. Coffee
  - iv. Wine
  - v. Scrap Metal
6. You are the owner of a small container and multipurpose port on a major trade lane with good hinterland and other port connections with land available for expansion. Describe how you could improve the ports ability to manage a larger share of cargo moving on the trade lane and support your answer with a port development plan layout diagram.
7. Explain the background and requirements of the IMDG code. Identify each of the classes within the code and comment specifically on **TWO** of these classes in respect of the importance of segregation.
8. Round the World, Hub and Spoke, End to End and Pendulum are all terms used to describe types of service. Using the world map provided to support your answer describe **TWO** of these services explaining their advantages and disadvantages.