



**MAY 2025 EXAMINATION SESSION**

**WEDNESDAY 14<sup>th</sup> MAY 2025 - MORNING**

# **INTRODUCTION TO SHIPPING**

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) Define what stowage factor is and its formula
- b) Discuss the importance of stowage factor in loading bulk cargo with regard to:
  - i. Efficient use of space
  - ii. Cargo planning
  - iii. Ballast and stability management
  - iv. Cost estimations
  - v. Cargo handling and safety

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

Describe **ALL** of the following charter party terms:

- a) Laycan
  - b) Demurrage
  - c) Off-hire
  - d) Laytime
3. Discuss the difference between a liner and a tramp service, giving examples of each, and discuss the type of cargoes that may be carried by the two services.
4. Answer **BOTH** parts of the question.
- a) Identify and discuss the role and responsibilities of a dry cargo chartering broker
  - b) Discuss two main features of a time charter party

**PLEASE TURN OVER**

5. Explain how the rise and fall of tides are caused and why they vary and discuss their effect on shipping.
6. Describe the role of Port State Control (PSC) in ensuring the safety, security and environmental compliance of ships visiting a country's ports.
7. Answer **ALL** parts of the question.
  - a) Using the world map provided, identify two load and two discharge grain ports.
  - b) Using the world map provided draw the supporting general trade routes used for the carriage of grain to include the oceans, seas and waterways.
  - c) Identify and discuss two factors which may affect the demand and supply of grain.
8. Identify the following on the world map provided.

Continents:

- i. Asia
- ii. Africa
- iii. Europe
- iv. South America
- v. Australia

Water ways:

- vi. Straits of Hormuz
- vii. Torres Strait
- viii. Panama Canal
- ix. Malacca Strait
- x. Suez Canal

Seas:

- xi. Caspian Sea
- xii. Mediterranean Sea
- xiii. South China Sea
- xiv. Baltic Sea
- xv. Black Sea

Major ports:

- xvi. Yokohama
- xvii. Rotterdam
- xviii. Busan
- xix. Richards Bay
- xx. New York