



WEDNESDAY 16<sup>th</sup> MAY– 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. Discuss any **FOUR** International Maritime Organization marine environmental protection conventions.
2. Discuss what the key functions of a bill of lading are and how they facilitate the transportation of cargo by sea.
3. Tides can affect shipping in many ways. Explain the causes of tides and examine the advantages and disadvantages of tides for commercial shipping.
4. Answer **BOTH** parts of the question.
  - a) Using the world map provided, name the oceans, canals and waterways.
  - b) Explain in brief why the new Panama Canal has been built and identify at least two trades and the respective goods that the new canal facilitates.
5. Discuss who a sole trader is and the main differences between private limited and public limited companies.
6. Your agency has been appointed by a Principal to handle the loading of regular bulk parcels at your port. Identify the main sources of revenue and the cost of running such a business, and explain how you would manage the cash flow to best advantage.

**PLEASE TURN OVER**

7. Answer **BOTH** parts of the question:

- a) Identify the main types of Roll-on / Roll-off vessel and draw a side profile, plan, and cross-section of a typical deep sea car carrier clearly, labeling the significant parts of the vessel and listing the main specifications.
- b) Using the world map show two typical car carrier liner services giving details of the type of trade in which they would operate, and discuss the facilities that ports would need to handle for such a service.

8. Discuss what are P&I Clubs and the role they play in protecting ship-owners.