



# ICM

DECEMBER 2016

THE BUSINESS OF SHIPPING

**Instructions to candidates:**

- a) Time allowed: Three hours (plus an extra ten minutes' reading time at the start – do not write anything during this time)
  - b) Answer any FIVE questions
  - c) All questions carry equal marks. Marks for each question are shown in [ ]
- 
1. Describe the following elements of the parts of a ship and their purpose:
    - a) Bilges
    - b) Bulkheads
    - c) Derricks
    - d) Double bottom tanks
    - e) Peak tanks[4 each]
  2. Outline the advantages and disadvantages of using containers. [10 each]
  3. In selecting a route what additional factors should be taken into account? [20]
  4. Explain the difference between an echo sounder, a VTS (Vessel Tracking System) and a weather facsimile recorder. [20]
  5. Explain the responsibilities of the engine room department crew, specifically:
    - a) the chief engineer
    - b) the second, third, fourth engineers
    - c) the donkeyman
    - d) the storekeeper
    - e) the pump man
    - f) the radio officer[20]
  6. Outline THREE considerations for the horizontal distribution of cargo. [20]
  7. Explain the difference between forwarding agents, ship's agents and loading brokers. [20]
  8. Define the following:
    - a) A port
    - b) A harbour
    - c) A dock
    - d) A breakwater or mole
    - e) A wharf
    - f) A pier or jetty
    - g) A dolphin[20]