



WEDNESDAY 18TH APRIL 2012 – AFTERNOON

PORT AND TERMINAL MANAGEMENT

Time allowed – three hours

Answer any FIVE questions – all questions carry equal marks

Please read the questions carefully before answering

1. Describe and discuss in detail the port and shore side facilities which you would expect to see at a deep sea iron ore loading terminal and their importance to the operation.
2. Discuss in detail the ship to shore interface you would expect to take place to ensure the safety of VLCC berthing and sailing operations at an offshore terminal.
3. You are the Operations Manager for a container terminal. Discuss the differing types of containers which you would expect to handle in your port, and how a terminal would be equipped for this.
4. Explain in detail what techniques ports are employing to ensure the effective control of bad debt during an economic crisis.
5. You are the manager of a busy general cargo port, and berth efficiency is critical to your operation. Discuss the port performance indicators available to assist you in your role.
6. Discuss any **five** of the following:
 - a) Stowage Factor
 - b) Angle of Repose
 - c) UNCLOS
 - d) Trust Port
 - e) LASH Vessel
 - f) Midas Port
 - g) Free Trade Zone

PLEASE TURN OVER

- 7.** Discuss and describe the various health and safety practices you would expect to see in a container port/terminal.

- 8.** You are the General Manager for a port with a mixed range of general and container cargoes. You believe the potential exists to build a new transit shed in the port. Prepare a detailed proposal to your board highlighting the opportunities that you believe could be realised by this project.