



Technical University of Mombasa

School of Business

Department of Management Science

END OF SEMESTER EXAMINATION FOR THE BACHELORS DEGREE

IN MARITIME MANAGEMENT – YEAR ONE – SEMESTER 2

BMM: 4103- INTRODUCTION TO PORTS AND HARBORS-

**PAPER “B”**

**Instructions:** Answer Question ONE (Compulsory question) and any other two Questions.

1. a) Explain why most of the port functions and the provisions of services and goods which are related to the regulation and surveillance mandate of a Port Authority would remain in the public domain. (12 marks)
- b) Define a free port. (2 marks)
- c) MARPOL 73/78 and Marine Water Quality have primary impact on ports particularly on pollution and the marine environment related to ships. Explain. (8 marks)
- d) List any four functions of a seaport. (8 marks)
2. With an aid of a flow chart or a diagram explain the three factors the shipowner must take into consideration when

constituting his freight charges (export case)

(20 marks)

3. a) The time the ship spends in the port can be divided into two components:
- Waiting time
  - Ship's time at berth

**Required:**

Explain;

(i) Waiting time and its significance to port operations. (5 marks)

(ii) Ship's time at berth and its significance to port operations.

(5 marks)

b) What is berth throughput and what does it indicate? (5 marks)

c) Explain the purpose of Inland Clearance Depot (ICD) (5 marks)

- 4 According to Port Law on towage, for the tug to be in a position to receive orders direct from the hirer's vessel to pick up ropes or lines, three conditions must be satisfied. Discuss. (20 marks)

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- 5 For each type of the following port charges state the following:

- Charging system (Basis)
- Units of charge
- Payee and
- Recipient

a) Port Dues

b) Berth Hire

- c) Wharfage
- d) Tug Services
- e) Pilotage