



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of applied and health sciences.

DEPARTMENT OF ENVIRONMENTAL & HEALTH SCIENCES.

UNIVERSITY EXAMINATION FOR:

**THE DEGREE OF BACHELOR OF SCIENCE IN MARINE RESOURCE
CONSERVATION (BSMR 14S)**

AES 4316: COASTAL PORT AND TRANSPORT MANAGEMENT

END OF SEMESTER EXAMINATION

SERIES: MAY

TIME: 2 HOURS

INSTRUCTIONS TO THE CANDIDATES:

You should have the following for this examination

-Answer booklet

This paper consists of **FIVE** questions.

Attempt question **ONE (Compulsory)** and any other **TWO** questions.

Maximum marks for each part of a question are as shown.

This paper consists of **TWO** printed pages

Do not write on the question paper.

Question one (compulsory)

A) Define the following terms as used in maritime transportation

- i. A port (1 mark)
 - ii. Wharf (1 mark)
 - iii. Dock (1 mark)
- b) Identify three international conventions on prohibited and restricted goods and state their role in controlling prohibited and restricted goods. (6 marks)
- c) Name the organizations which agree on the international conventions, codes and protocols concerning ship safety and marine pollution. (2 marks)
- d) Define port terminals and state three services it provides. (4 marks)
- e) Define the phrase 'inland clearance depot (ICD)' (1 mark)
- f) Name five and briefly describe the documents that are used in the carriage of good by sea. (10 marks)
- g) Briefly describe a charter party. (4 marks)

Question two

- a) Clearly discuss the difference between the liner trade and tramp trade categories. (20 marks)

Question three

- a) Discuss both the primary and secondary functions of a port. (20 marks)

Question four

- a) In transport distribution analysis, one of the elements to be examined are the 'five elements of transport service', briefly discuss. (10 marks)
- b) Ports face competition from different modes of transport namely air and land. Highlight 10 features of air freight. (10 marks)

Question five

- a) Discuss the main components of a terminal. (20 marks).