



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 pa

Question one (compulsory)

a) Define the terms the following terms as used in maritime transportation.

- i. 'Cargo' and goods (3 marks).
- ii. Transshipment. (1 mark).
- iii. Shipping notes (1 mark).
- iv. Less than container load (LCL) (1mark)
- v. Full container load (FCL) (1mark)

b) Explain the term 'hub and spoke system' and give reason for the development of this system. (4marks).

c) Differentiate between prohibited goods and restricted goods and give an example of each. (5 marks)

d) Name the two main categories of cargo flow subdivision. (2 Marks)

e) Highlight the primary functions of a port. (3marks)

f) Briefly explain the use of a refrigerated general cargo ship (reefer) and give distinguishing features from the conventional general cargo ship. (5 Marks).

g) Give explanation of the following terms as used in maritime trade:

- i. Liner (2 marks)
- ii. Tramp (2 marks)

Question Two

a) Discuss the reasons for the imposition of restriction and prohibition. (10 marks)

b) Discuss the features of containerization as a mode of distribution. (10 marks).

Question three

a) Due to the changing trading conditions, the merchant must continuously review his/her distribution strategy in order to remain competitive. Discuss the aspects in the evaluation of the suitability of transport mode and routing. (20 marks)

Question four

- a) Discuss five of the main types of terminals.(20 marks)

Question five

- a) Briefly discuss the international rules reflected in international conventions regarding sea transport embracing the bill of lading. (10 marks)
- b) Ports face competition from different modes of transport namely air and land. Highlight 10 features of air freight. (10 marks).