



# TECHNICAL UNIVERSITY OF MOMBASA

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FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHANICAL & AUTOMOTIVE ENGINEERING

**UNIVERSITY EXAMINATION FOR:**

**DIPLOMA IN MARINE ENGINEERING**

**EMR 2121 : MARINE COMMUNICATION SKILLS II**

**END OF SEMESTER EXAMINATION**

**SERIES: APRIL 2016**

**TIME: 2 HOURS**

**DATE:** Pick Date Select Month Pick Year

## **Instructions to Candidates**

You should have the following for this examination

*-Answer Booklet, examination pass and student ID*

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

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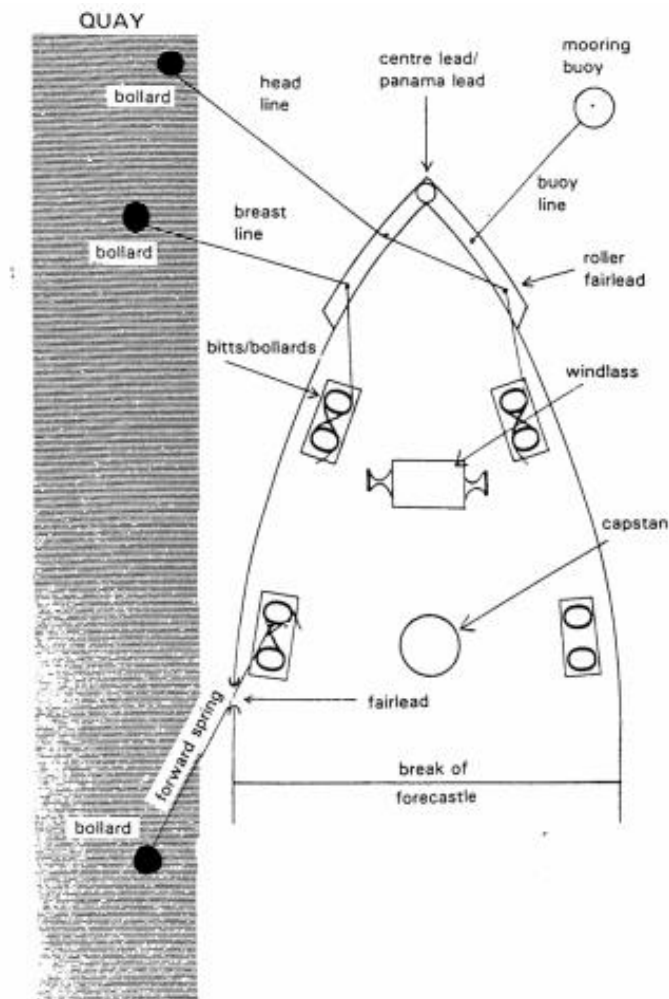
## Question ONE

- a. Define the following terminologies (6 Marks)
  - i). Mayday
  - ii). Panpan
  - iii). Securite
- b. Simulate communication between the bridge team and the engineer on watch during casting off (14 Marks)

## Question TWO

A vessel has approached the port of Mombasa. Simulate the flow of information with the VTS Control until the pilot boards the vessel (20 Marks)

## Question THREE



- a. Using the illustration above, describe the berthing and unberthing of a vessel and how the illustrated vessel has been berthed (15 marks)
- b. State and explain with proper illustrations the flags and signals that are used before and after a pilot has embarked the vessel (5 Marks)

#### **Question FOUR**

A vessel has approached the port of Mombasa. Simulate the flow of information with the VTS Control until the pilot boards the vessel (20 Marks)

#### **Question FIVE**

Your vessel has lost engine power while leaving the port of Mombasa. Draw the appropriate flags that should be hoisted and the sound signals to be used during the said circumstance (20 Marks)