



# TECHNICAL UNIVERSITY OF MOMBASA

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FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF PURE & APPLIED SCIENCES

**UNIVERSITY EXAMINATION FOR:**

DIPLOMA IN NAUTICAL SCIENCE

BMC 2102 : MARINE COMMUNICATION SKILLS

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. Describe the Four (4) Modes of Written communication (8 marks):
- b. Define and discuss the use of the following (12 Marks)
  - i). MAYDAY - DISTRESS
  - ii). PAN PAN - URGENCY
  - iii). SECURITE - SAFETY

## Question TWO

- a. State any 5 (five) barriers to effective flow of information (5 marks)
- b. discuss ways of overcoming any Three (3) barriers you have stated in the above question (15 Mark)

## Question THREE

- a. Write the alphabets and numbers 0-9 using the Standard Marine Communication Phrases where external communication spelling is necessary. (10 Marks)
- b. Draw the following flags (10 Marks):
  - i). Alpha

- ii). Sierra
- iii). 1
- iv). 0
- v). 9

**Question FOUR**

- a. List the order of Communications Priorities as used in radio communication process (10 Marks)
- b. State and discuss 5 (Five) Modes of Written communication (10 marks):

**Question FIVE**

Match the Terms (20 Marks):

i. CPA / TCPA	Estimated Time of Arrival / ... of Departure	
ii. DSC	Emergency Position Indicating Radio Beacon	
iii. EPIRB	Digital Selective Calling (in the GMDSS)	
iv. ETA / ETD	Maritime Rescue Coordination Centre	
v. GMDSS	Closest Point of Approach / Time to ...	
vi. (D) GPS	Global Maritime Distress and Safety System	
vii. MMSI	Search and Rescue	
viii. MRCC	(Differential) Global (Satellite) Positioning System	
ix. SAR	Maritime Mobile Service Identification Number	
x. UTC / GMT	Universal Time Coordinated/ Greenwich Mean Time	