

TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Applied and Health Sciences

DEPARTMENT OF PURE AND APPLIED SCIENCE

UNIVERSITY EXAMINATIONS FOR DIPLOMA IN NAUTICAL SCIENCE

BMC 2102 Marine Communication

SPECIAL/SUPPLEMENTARY EXAMINATIONS

SERIES: SEPT. 2017

TIME: 2 HOURS

INSTRUCTIONS:

- ❖ You should have; Answer booklet,; Drawing instruments and Scientific calculator
- ❖ This paper consists of FIVE questions
- ❖ Attempt any THREE questions.

This paper consists of TWO printed page

QUESTION ONE

- a. Describe the Four (4) Modes of Written communication (8 marks):
- b. Define 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	3 Digital Selective Calling (in the GMDSS)
iv. ETA / ETD	Maritime Rescue Coordination Centre
v. GMDSS	5 Closest Point of Approach / Time to ...
vi. G (D) GPS	Global Maritime Distress and Safety System
vii. MMSI	Search and Rescue
viii. MRCC	(Differential) Global (Satellite) Positioning System
ix. OSC	Twenty Foot Equivalent Unit
x. SAR	On-Scene Coordinator
xi. TEU	Maritime Mobile Service Identification Number
xii. UTC / GMT	Universal Time Coordinated/ Greenwich Mean Time
xiii. VTS	Vessel Traffic Service