

TECHNICAL UNIVERSITY OF MOMBASA
SCHOOL OF BUSINESS
BMM 4201 - MARITIME INFORMATION TECHNOLOGY
EXAM TWO
YEAR II – 1ST SEMESTER 2016/2017 ACADEMIC YEAR

QUESTION ONE

- a) Analyze how the concept of information and communication technologies has been applied in the maritime sector
- b) Describe the components that must come together in order to produce an information system and discuss the characteristics of two types of maritime information systems
- c) Discuss the roles played by maritime safety information and identify three navigation information communication systems **(10 Marks)**

QUESTION TWO

- a) Describe the functions of the following technologies
 - i. AIS
 - ii. Long-Range Identification and Tracking (LRIT) **(10 Marks)**
- b) In maritime emergency situations there are three phrases that you might hear on a VHF radio, and they all relate to safety. Describe the meaning of these phrases and their requirements **(10 Marks)**

QUESTION THREE

- a) Describe the concept of the term digital shipping and analyze its methods of application **(10 Marks)**
- b) Describe the features of Kenya Customs ICT system that extends to shipping and logistics operations **(10 Marks)**

QUESTION FOUR

- a) Evaluate five objectives of e-maritime systems **(10 Marks)**
- b) Analyze the benefits of Customs ICT applications to maritime sector **(10 Marks)**

QUESTION FIVE

- a) Discuss the features of Kenya Electronic Single Window System and its objectives **(10 Marks)**
- b) Analyze the objectives of Customs services management information systems **(10 Marks)**