



# TECHNICAL UNIVERSITY OF MOMBASA

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SCHOOL OF BUSINESS

DEPARTMENT OF BUSINESS ADMINISTRATION

**UNIVERSITY EXAMINATION FOR:**

**DEGREE IN MARITIME MANAGEMENT**

**BMM 4202: MARITIME SCIENCE**

**END OF SEMESTER EXAMINATION**

**SERIES: DECEMBER 2016**

**TIME: 2 HOURS**

**DATE:** Pick Date Dec 2016

## **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) While giving appropriate examples, describe the main causes of Marine noise pollution and the effects of this pollution to the marine ecosystem (15 Marks)
- B) Name the five oceans of the world from the smallest to the largest. Briefly describe their location in the world (15 Marks)

## **Question TWO**

In ship navigation, vessels normally use ballast water. What is ballast water and what is the purpose of this water in ship navigation? (20 Marks)

## **Question THREE**

Marine environmental protection is a major concern in the world. Name the organization that sets regulations on marine environmental protection and name the convention and objective of the same that deals with this phenomenon. (20 Marks)

#### **Question FOUR**

Describe the effects of ship speed to marine organisms. Mention a few of the organisms majorly affected by ship speed. (20 Marks)

#### **Question FIVE**

With reference to the ocean, describe what you know to be the major primary sources of energy (20 Marks)