



**TECHNICAL UNIVERSITY OF MOMBASA**

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FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIROMENT & HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR:**

DEGREE IN MARINE RESOURCE (BSMR 15S/YEAR2/SEMESTER 1)

**AES 4204: FUNDAMENTALS OF MARINE RESOURCE CONSERVATION**

SPECIAL / SUPPLEMENTARY EXAMINATION

**SERIES:AUGUST 2017**

**TIME: 2 HOURS**

**Instructions to Candidates**

You should have the following for this examination

*-Answer Booklet, examination pass and student ID*

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

Do **not write** on the question paper. This paper consists of **1 printed** page.

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**QUESTION ONE**

- Briefly explain some of the impacts of climate change in the marine environment. **(6 marks)**
- Mention selection criteria that are used for Marine Protected Area. **(5 marks)**
- Briefly explain why the impacts of climate change are more likely to increase in developing countries? **(5 marks)**
- How can the government acheve participation of stakeholders including local communities in marine conservation? **(5 marks)**
- Why are Marine Protected Areas relevant in global marine conservation efforts? **(5 marks)**
- What are some of the major international conservation treaties? Mention any 4. **(4 marks)**

**QUESTION TWO (20 MARKS)**

Compare and contrast the functional differences and relationship between Marine Parks and Marine Reserves.

**QUESTION THREE (20 MARKS)**

Discuss the factors that have led to successful establishment and development of marine and fisheries co-management areas in Kenya.

**QUESTION FOUR (20 MARKS)**

Explain the threats that are likely to impact the marine fisheries resources and ecosystems as a result of change in the state of the world oceans.

**QUESTION FIVE (20 MARKS)**

Describe the life history of a sea turtle using illustrations, threats to their survival and their ecological importance.