



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:

BACHELOR OF SCIENCE IN MARINE RESOURCE MANAGEMENT

BSMR 13S/YEAR 4/SEMESTER 1

AES 4403: INTEGRATED COASTAL ZONE MANAGEMENT

SPECIAL/ SUPPLIMENTARY EXAMINATIONS

SERIES: SEPTEMBER 2018

TIME: 2 HOURS

Instructions to Candidates

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions.

This paper consists of two printed pages.

Mobile phones are NOT allowed in the examination room

QUESTION ONE. (30 MARKS)

- a). i. Define the term Coastal Zone (1 mark)
- ii. Integrated approach (1 mark)
- b). i. State the Coastal uses in Western Indian Ocean (1 marks)
- ii. Polluter pays principle (1 marks)
- c). State the challenges of ICZM in Kenya (2 marks)

- e). Explain the weaknesses of increased participation in coastal resource management in East Africa (3 marks)
- f). State four strategic objectives which have been identified in order to achieve the overall goal of the ICZM Action plan in Kenya (4 marks)
- g). State three strategies used for Planning and management of coastal Development in Kenya (4 marks)
- h). State the purpose of Coastal Zone Management (3 marks)
- i). State the strategies used to preserve, protect and restore the Integrity of Coastal Mangrove forests in Kenya (5 marks)
- j). Explain Integrated coastal Management (ICM) thus enhances the interface between science and policy (5 marks)

QUESTION TWO (20 marks)

Describe ecosystem based management

QUESTION THREE (20 marks)

Discuss the strategies used to preserve, protect and restore the integrity of seagrass beds in Kenya?

QUESTION FOUR (20 marks)

In Kenya from Demonstration to Replication of Integrated coastal Management (ICM). Discuss

QUESTION FIVE (20 marks)

Using the 'Playing Rugby' analogy describe how ICM works in Kenya from demonstration to replication.