



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 2

AES 4410: RESTORATION OF MARINE ECOSYSTEMS

END OF SEMESTER EXAMINATION

SERIES: JULY 2017

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). What is marine conservation? (2 marks)
- ii). Differentiate between Marine Protected Areas and Locally Managed Areas in Kenya. Give two examples of each. (6 marks).
- b). Why is it important to restore coastal and marine habitats (5 marks).
- c). Describe five challenges that are faced in the establishment and development of community conservation areas (10 marks)
- d). Describe five principles that should guide restoration efforts (5 marks)
- e). List four regional bodies that provide the potential for cross border collaboration and sharing of lessons and development of structures for managing biodiversity at a regional scale (2 marks).

QUESTION TWO

Describe the main stakeholders involved in coastal forest conservation management in Kenya. (20 MARKS)

QUESTION THREE

Describe main strategies/interventions adapted at national level for the conservation and sustainable management of coastal forests. (20 MARKS)

QUESTION FOUR

Kenya is a party to a number of international conventions, agreements and treaties in marine biodiversity conservation. Discuss any four. (20 MARKS)

QUESTION FIVE

Describe ten factors that have spurred the establishment of community conservation areas/ Locally Managed Marine Areas (LMMAs) in Kenya as a way of restoring marine ecosystems. (20 MARKS)