



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:

DEGREE IN MARINE RESOURCE

BSMR 15S/YEAR2/SEMESTER 1

AES 4201: COMMUNITY BASED NATURAL RESOURCES MANAGEMENT

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2016

TIME: 2 HOURS

DATE: Pick Date Select Month Pick Year

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

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

Circle the correct answer in section A.

QUESTION ONE (30 MARKS)

- a) Define the following terms [5Mks]
 - i) Natural resource
 - ii) Community empowerment:
 - iii) Native species
 - iv) Invasive species
 - v) Keystone species
- b) State five general importance of seagrass conservation [5Mks]
- c) Distinguish between:
 - (i) Passive participation and Participation by incentives [2Mks]
 - (ii) Participation by consultation and Functional participation [2Mks]
- d) Explain three cultural importance of forests [6Mks]
- e) State five types of participatory forest management [5Mks]

- f) i) What is a “Protected Area”? [1Mk]
ii) List four marine protected areas in Kenya [4Mks]

QUESTION TWO (20 MARKS)

Discuss the ecological importance of community based coral reef conservation and management [20Mks]

QUESTION THREE (20 MARKS)

Describe the challenges of community based natural resource management (CBNRM) in Kenya [20mks]

QUESTION FOUR (20 MARKS)

In light of the emergency of Community Forest Associations (CFAs) in Kenya, Discuss their role in the decentralization process of forests in Kenya [20Mks]

QUESTION FIVE (20 MARKS)

Discuss how traditional cultures participated in natural resource management [20Mks]