



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIROMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:

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

AES 4201: COMMUNITY BASED NATURAL RESOURCES MANAGEMENT

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 **2 printed** pages.

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]