



**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 16S/YEAR 2/ SEMESTER 1**

**AES 4201: COMMUNITY BASED NATURAL RESOURCE 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***

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**QUESTION ONE**

- (a) Differentiate between the following concepts as used in community based NRM.
- |       |                                  |           |
|-------|----------------------------------|-----------|
| (i)   | Consultation and co-option       | (2 marks) |
| (ii)  | Human dimensions in NRM.         | (2 marks) |
| (iii) | Ownership and empowerment        | (2 marks) |
| (iv)  | National and community resources | (2 marks) |
- (b) Briefly categorize NRM approaches . (3 marks)
- (c) What is the relationships between communities and resources that demands their inclusion in management . (3 marks)
- (d) What is the role of a negotiator in settling resource management disputes (2 marks)

- (e) Differentiate between participation by incentives and passive participation (3 marks)
- (f) What are the principal characteristics of placation and therapy as part of community based NRM? (3 marks)
- (g) Define PRA? (2 marks)
- (h) List and explain three indigenous knowledge system used in ancient conservation (3 marks)
- (i) Briefly illustrate importance of understanding community dynamics (2 marks)

### **QUESTION TWO**

- (a) What are the direct benefits of a community based resource to the members (5 marks)
- (b) What is the kind and rights of stakeholders on property? (15 marks)

### **QUESTION THREE**

- (a) Using examples define the main typology of community participation in resource management (15 marks)
- (b) Explain the importance of a well-managed natural resource . (5 marks)

### **QUESTION FOUR**

In the 21<sup>st</sup> century Kenyan context, should resource managers primarily serve the interests of the public in resource management, or must it be the mandate of the state?

After critically reflecting on defining the “interests of the public” and the “mandate of the state” take a position on the question above, and illustrate through examples given throughout the course.

(20mks)

### **QUESTION FIVE**

Discuss in details the diverse benefits of community based natural resource management (20mks)