

# TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Applied & Health Sciences

Department of Environment & Health Sciences

University Examination for the Degree of Bachelor of Science in Marine  
Resource Management

BSMR 13S/YEAR 3/SEMESTER 2

Code: AES 4310: Coastal Forests and Marine Resources

SEMESTER EXAMINATION

SERIES: MAY/2016

TIME: 2HRS

## **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**

## **EXAM**

### **AES 4310: COASTAL FORESTS AND MARINE RESOURCES Paper 1**

#### **QUESTION ONE (30 MARKS)**

- a) List and briefly explain the types of forest/vegetation classification systems (5 marks)
- b) Why is it important to classify forests? (5 marks)
- c) What criteria is used to classify forests? (5 marks)
- d) List the main species of mangroves found along the East African coast (5 marks)
- e) List and briefly explain the key threats facing mangroves forests within the East African region (5 marks)
- f) What are mangroves and state the key characteristics of mangroves (5 marks)

#### **QUESTION TWO (20 MARKS)**

Explain the main features of the Eastern Africa coastal forest?

#### **QUESTION THREE (20 MARKS)**

State and explain the main threats and challenges facing coastal forests in East Africa.

#### **QUESTION FOUR (20 MARKS)**

Discuss the roles played by mangrove ecosystems

#### **QUESTION FIVE (20 MARKS)**

State and briefly explain the various ways mangrove forests can act as carbon sinks