

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 2

QUESTION ONE (30 MARKS)

- a) Define the terms 'endemism' 'succession', 'biodiversity hotspot' and 'eutrophication' (6 marks)
- b) Briefly explain the obstacles that have hindered sustainable management of forests along the East African coast (6 marks)
- c) State the various social and economic importance of forests in Kenya (6 marks)
- d) List the key institutions in the management of forest resources along the Kenyan coast (6 marks)
- e) Define the following terms as used in population ecology:- Population, Population growth curve and Population structure (6 marks)

QUESTION TWO (20 MARKS)

Discuss the main modifications made by Whitehall (1983) to the Greenway forest classification systems.

QUESTION THREE (20 MARKS)

Discuss factors that must be taken into consideration when undertaking mangrove forest restoration

QUESTION FOUR (20 MARKS)

List and explain the management regime of coastal forests in Kenya

QUESTION FIVE (20 MARKS)

With reference to Kenya, discuss the main challenges and threats to conservation and sustainable management of coastal forests