FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMATS OF ENVIROMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:

DEGREE IN MARINE RESOURCE

BSMR 15S/YEAR2/SEMESTER 1

AES 4204: FUNDAMENTALS OF MARINE RESOURCE CONSERVATION

END OF SEMESTER EXAMINATION

SERIES:DECEMBER2016

TIME: 2HOURS

DATE: Pick DateSelect MonthPick 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). Attemptquestion ONE (Compulsory) and any other TWO questions.
Circle the correct answer in section A.

QUESTION ONE (30 MARKS)

a).

i). Name six habitats within the marine ecosystem. (3 marks)

ii). Select an ecosystem in a). and state its importance in the marine environment. (3 marks)

iii). Why are the impacts of climate change more likely to increase in Africa?   (5 marks)

iv) What is a Marine Protected Area (MPA)? (2 mark)

v) Giving an example of each, differentiate between a Marine Park and a Marine Reserve in Kenya. (4 marks)

b). Define the following words: (5 marks)

i. Mitigation
ii. Resilience
iii. Vulnerability
iv. Exposure
v. Sensitivity

c).

i) State the causes of sea turtle decline along the Kenya coast   (5 marks)

ii) What is the relevance of conserving sea turtles?   (3 marks)

QUESTION TWO (20 MARKS)

Discuss the challenge faced in the establishment and development of marine and fisheries co-management areas, and the factors that have led to their success in Kenya.

QUESTION THREE (20 MARKS)

Discuss the North-South disparity in climate change impacts.

QUESTION FOUR (20 MARKS)

Explain the threats that are likely to impact the marine fisheries resources and ecosystems as a result of change in the state of the world oceans.

QUESTION FIVE (20 MARKS)

Mombasa and Kisite Marine National Parks and Reserves, are Marine Protected Areas in Kenya. Discuss how the government ensures sustainable protection of these resources.