



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:

BACHELOR OF SCIENCE IN FISHERIES & OCEANOGRAPHY

BSFO 16S/YEAR 2/SEMESTER 1

AFO 4204: AQUATIC BIODIVERSITY

SPECIAL/ SUPPLEMENTARY 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

QUESTION ONE. (30 MARKS)

- a). Define the term benthos (1 mark)
- b). Define the term Euphotic Zone (2 marks)
- c). What Are the Major Threats to Aquatic Biodiversity (3 marks)
- d). Define the term Biodiversity (2 marks)
- e). State the four major ocean gyres that accumulates plastic waste (4 marks)

f). Explain how population Growth and Pollution Can Reduce Aquatic Biodiversity (4 Marks)

g). State Freshwater Life Zones (3 marks)

h). What is a 'biodiversity hotspot' (3 marks)

i). State how individuals and communities together can protect Marine Biodiversity (4 marks)

j). Define the term Ecological Diversity (3 marks)

QUESTION TWO

Kenya imposed the ban on the use, manufacture and importation of all Plastic Carrier Bags?

Discuss the implication of the ban on the environment. (20 marks)

QUESTION THREE

Describe the Convention on Biological Diversity (20 marks)

QUESTION FOUR

Lake Victoria, the Common Property Debate: Is the Tragedy of the Commons a threat to its future? Discuss (20 marks)

QUESTION FIVE

Discuss the actions to be taken to conserve biodiversity. (20 marks)