



TECHNICAL UNIVERSITY OF MOMBASA

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

UNIVERSITY EXAMINATION FOR:
DIPLOMA IN ENVIRONMENTAL SCIENCE
DES/16S/YEAR 2/ SEMESTER 1
AES 2213: WETLAND ECOLOGY & 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

QUESTION ONE. (30 MARKS)

- a) Define the following terms
 - i. Wetland (3mks)
 - ii. Interspecific Competition (2mks)
 - iii. Intraspecific competition (2mks)
 - iv. Ecosystem (2mks)
 - v. Community (2mks)
- b) State five types of wetlands present in Kenya (5mks)
- c) State an example of a human-made wetland (1mk)
- d) State five functions of wetlands (5mks)
- e) State 4 characteristics of wetlands (4mks)
- f) State 4 benefits of wetlands (4mks)

QUESTION TWO. (15 MARKS)

Discuss how the following factors affect population size in a wetland ecosystem

- i. Interspecific Competition
- ii. Intraspecific competition
- iii. Predation
- iv. Disease and parasitism

QUESTION THREE. (15 MARKS)

Discuss the challenges facing proper management of wetlands in developing countries

QUESTION FOUR. (15 MARKS)

Discuss the benefits of **inland wetlands** giving specific examples

QUESTION FIVE. (15 MARKS)

Discuss ways in which local communities can participate in conserving marine wetlands in Kenya