



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN ENVIRONMENTAL SCIENCE

AES 2106 WETLAND ECOSYSTEMS AND MANAGEMENT

END OF SEMESTER EXAMINATION

SERIES:AUGUST2019

TIME:2HOURS

DATE:Pick DateDec2019

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of fiveQuestion(s). Attemptquestion ONE (Compulsory) and any other TWO questions

QUESTION ONE

- a) Briefly describe a wetland. (3 marks)
- b) State any four examples of wetlands in Kenya.(4 marks)
- c) briefly describe the challenges facing wetland ecologies in Kenya today.(5 marks)
- d) Describe the following principles as used in wetland management and conservation practice
 - i) Polluter pays principle (3 marks)
 - ii) Precautionary principle (3 marks)
- e) Briefly outline any five Ecological Importance of wetlands in Kenya (5 marks)
 - i) Briefly explain Ramsar Convention (2 marks)
 - ii) Identify any five sites in Kenya listed under of (f i) above (5 marks)

QUESTION TWO

Discuss the Socio-economic importance of wetlands in Kenya (15 marks)

QUESTION THREE

- a) Describe three major Threats facing wetlands (6 marks)
- b) Suggest possible solutions for each of the threats mentioned in (3,a) above. (9 marks)

QUESTON FOUR

Discuss any five guiding principles and values used in wetland management (15 marks)

QUESTION FIVE

Discuss the importance of sector linkages at national and international levels in wetland management (15 marks)