MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR
FIRST YEAR SECOND SEMESTER

SCHOOL OF TOURISM AND NATURAL RESOURCES MANAGEMENT
DIPLOMA IN TOURISM AND WILDLIFE MANAGEMENT

COURSE CODE: NDTW 123
COURSE TITLE: MARINE & FRESH WATER ECOLOGY

DATE: 11TH DECEMBER, 2018   **TIME: 0830 - 1030 HRS**

INSTRUCTIONS TO CANDIDATES

Answer Question **ONE** and any other **THREE** Questions

*This paper consists of **4** printed pages. Please turn over.*

QUESTION ONE

a) Define the following terms
  i.   Ecosystem (2 marks)
  ii.   Biodiversity (2 marks)
  iii. Hydrology (2 marks)
  iv.   Limnology (2 marks)
  v.   Ecology (2 marks)

b) i) Define the term Aquatic Ecosystems ii) State the 2 main types of Aquatic Ecosystems (5 marks)

c) Discuss 5 factors that determine where organisms live in the water (10 marks)

QUESTION TWO

a) Describe 6 functions of Aquatic ecosystems (6 marks)

b) There are many types of water pollution because water comes from many sources. State the different types of Aquatic ecosystem pollution (9 marks)

QUESTION THREE

i) Define food chain and food webs

ii) By use of a diagram, give examples and explain the food web and food chain (15 marks)

QUESTION FOUR

a) What is the riparian zone and why is it important? (5 marks)

b) Aquatic organisms are grouped by their location and their adaptation. There are 3 main groups of organisms in the freshwater ecosystem: state and explain them.

QUESTION FIVE

a) Discuss five human impacts on Rivers (5 marks)

b) Discuss the important Environmental Functions of Freshwater wetlands such as lakes, reservoirs and rivers. (10 marks)

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