



MAASAI MARA UNIVERSITY

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

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
DIPLOMA IN TOURISM AND WILDLIFE
MANAGEMENT
COURSE CODE: NDTW 123
COURSE TITLE: MARINE & FRESH WATER
ECOLOGY**

DATE: 26.4.2019

TIME: 8.30AM - 10.30AM

INSTRUCTIONS TO CANDIDATES

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

This paper consists of 2 printed pages. Please turn over.

SECTION A: ANSWER QUESTION ONE (25MKS)

QUESTION ONE

- a) Define the following terms;
- i. Ecology (2mks)
 - ii. Ecosystem (2mks)
 - iii. Biodiversity (2mks)
 - iv. Limnology (2mks)
 - v. Hydrology (2mks)
- b. Define Aquatic Ecosystems and state the 2 main types of Aquatic Ecosystems (5mks)
- c. Discuss 5 Factors that determine where organisms live in the water (10mks)

SECTION B: ANSWER ANY THREE QUESTIONS (45MKS)

QUESTION TWO

- a) What is the riparian zone and why is it important? (5mks)
- 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 (10mks)

QUESTION THREE

Define food chain and food webs and give examples by use of diagrams (15mks)

QUESTION FOUR

- a. Describe 6 Functions of Aquatic ecosystems (6mks)
- b. There are many types of water pollution because water comes from many sources. State the many types of Aquatic ecosystem pollution (9mks)

QUESTION FIVE

- a. Discuss five human impacts on Rivers (5mks)
- b. Discuss the important Environmental Functions of Freshwater wetlands such as lakes, reservoirs and rivers (10mks)

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