



MAASAI MARA UNIVERSITY

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

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
DIPLOMA IN TOURISM AND WILDLIFE
MANAGEMENT**

**COURSE CODE: NDTW 116
COURSE TITLE: INTRODUCTION TO ECOLOGY**

DATE: 6TH DECEMBER 2018

TIME: 0830 – 1030HRS

INSTRUCTIONS TO CANDIDATES

Answer questions ONE and any other **THREE**

This paper consists of 2 printed pages. Please turn over

QUESTION ONE (COMPULSORY) (25 Marks)

a) Define the following terms; **(5 Marks)**

(i) Ecotone (ii) Ecosystem (iii) Autecology (iv) Niche (v) population

b) Explain classification levels in ecology **(5Marks)**

c) (i) State the law of competitive exclusion principle **(2 Marks)**

(ii) Differentiate between Endoparasites and Ectoparasites **(3 marks)**

d) List characteristics of lentic/standing water **(5 Marks)**

e) Briefly explain how animal defenses against predation **(5 Marks)**

ANSWER ANY THREE (3) QUESTIONS (45 Marks)

QUESTION TWO

Elaborate general types of species interactions in organisms. **(15 Marks)**

QUESTION THREE

Discuss biotic and abiotic factors that influence the distribution and abundance of organisms in Africa **(15 Marks)**

QUESTION FOUR

Discuss the principle factors that operate in an aquatic ecosystem **(15 Marks)**

QUESTION FIVE

With an aid of well labeled diagram, discuss communities in ecological succession. **(15 Marks)**

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