



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2018/2019 ACADEMIC YEAR

FIRST YEAR SEMESTER ONE

**SCHOOL OF TOURISM & NATURAL
RESOURCES MANAGEMENT**

**CERTIFICATE IN TOURISM AND WILDLIFE
MANAGEMENT**

COURSE CODE: CTW 008

COURSE TITLE: INTRODUCTION TO ECOLOGY

DATE: 11TH DECEMBER, 2018

TIME: 0830 - 1030 HRS

INSTRUCTION TO CANDIDATES:

- This paper has two sections A & B.
- Answer question **ONE** in section A and any **TWO** in section B.

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

SECTION A: ANSWER ALL QUESTIONS (25 MARKS)

Question 1

Using examples, briefly describe the following terms (12mks):

- | | |
|--------------|---------------|
| i. Ecosystem | iv. Community |
| ii. Biome | v. Population |
| iii. Niche | vi. Species |

Question 2

Briefly describe four abiotic factors that have the ability to affect and change ecosystem (8mks)

Question 3

Briefly differentiate a food web and food chain, using diagrams to support your answers (5mks)

SECTION B: ANSWER ANY THREE QUESTIONS (45 MARKS)

Question 1

Briefly describe 4 major wildlife ecosystems in Kenya and their characteristics (15mks)

Question 2

Using diagrams, illustrate the difference between primary and secondary succession (15mks)

Question 3

Briefly describe threats to various ecosystems in Kenya and how they can be managed (15mks)

Question 4

The savanna ecosystem has the ability to host a vast diversity of animals without outcompeting each other. Briefly describe these ecosystem characteristics that enable this ability (15mks)

//END