



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 117

COURSE TITLE: BIOGEOGRAPHY & CLIMATE

DATE: 18.4.2019

TIME: 2.30 – 4.30PM

INSTRUCTIONS TO CANDIDATES

Answer Question **ONE** in Section A & any other **THREE** Questions in Section B

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

SECTION A: ANSWER QUESTION ONE (25 MKS)

QUESTION ONE

- a. Define the following terms: **(10Mks)**
- i. Biogeography
 - ii. Climate Change
 - iii. Ecosystem
 - iv. Biodiversity
 - v. Species range
- b. In biological interactions, explain the following terms: **(6Mks)**
- i. Exploitative
 - ii. Interference
 - iii. Diffuse
- c. Climate change is caused by several factors. Name any 9 of these factors. **(9Mks)**

SECTION B: ANSWER ANY THREE QUESTIONS (45 MKS)

QUESTION TWO

Differentiate between the terms climate and weather **(5Mks)**

Describe the physical factors that limit the geographical distribution of organisms/species in the world **(10Mks)**

QUESTION THREE

- a. What are the 3 limits of a species' geographic range? **(6Mks)**
- b. Differentiate between fundamental niche and realized niche **(4Mks)**
- c. Explain the principle of Competitive Exclusion(Gause's Principle)**(5Mks)**

QUESTION FOUR

What is Evolution and why do we study it in Biogeography? **(5Mks)**

Humans have shaped the planet, and might be considered the greatest evolutionary force. Why do you think it so? **(10Mks)**

QUESTION FIVE

There are three (3) main factors that hinder or limit the distribution of organisms. State all factors that are under the main factors with examples **(15Mks)**

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