



# **MAASAI MARA UNIVERSITY**

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

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

**COURSE CODE: NDTW 117  
COURSE TITLE: BIOGEOGRAPHY AND CLIMATE**

**DATE: 7<sup>TH</sup>, DECEMBER, 2018**

**TIME: 0830 – 1030 HRS**

---

## **INSTRUCTIONS TO CANDIDATES**

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

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

### **QUESTION ONE**

- a. Define the following terms: (10 marks)
- i. Biogeography
  - ii. Biodiversity
  - iii. Species range
  - iv. Climate Change
  - v. Ecosystem
- b. State the 3 limits of a species' geographic range? (6 marks)
- c. List 9 factors that causes Climate change (9 marks)

### **QUESTION TWO**

Discuss all factors that hinder and limit the distribution of organisms. (15 marks)

### **QUESTION THREE**

- a. Explain the following terms: (6 marks)
- i. Exploitative
  - ii. Interference
  - iii. Diffuse
- b. Differentiate between fundamental niche and realized niche (4 marks)
- c. Explain the principle of Competitive Exclusion (Gause's Principle). (5 marks)

### **QUESTION FOUR**

- a. Explain the importance of studying evolution in Biogeography (5 marks)
- b. Humans have shaped the planet, and might be considered the greatest evolutionary force. Explain why. (10 marks)

### **QUESTION FIVE**

- a. Differentiate between climate and weather (5 marks)
- b. Describe the physical factors that limit the geographical distribution of organisms/species in the world. (10 marks)

//END