



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2022/2023 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 AND
CLIMATE**

DATE: 9TH DECEMBER, 2022

TIME: 1100:1300

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section **A** and any other **THREE** in section **B**.

This paper consists of 2 printed pages. Please turn over

SECTION A: ANSWER ALL QUESTIONS (25 MARKS)

1. Define the following terms: **(10 marks)**
 - a) Biogeography
 - b) Climate change
 - c) Biological diversity
 - d) Ecology biogeography
 - e) Conservation Biogeography
2. Humans have shaped the planet, and might be considered the greatest evolutionary force. Explain why? **(5 marks)**
3. State any **two** famous biogeographers and briefly explain their contributions. **(5 marks)**
4. State **five** causes of historical extinction and the current endangerment of biodiversity. **(5 marks)**

SECTION B: ANSWER ONLY THREE QUESTIONS (45 MARKS)

5. Discuss the causes of biogeographic patterns of species diversity. **(15 marks)**
6.
 - a) Differentiate between climate and weather **(3 marks)**
 - b) Describe with relevant examples the ecological (**three** climatic, **three** edaphic and **three** biotic) factors that limit the geographical distribution of organisms/species in the world. **(12 marks)**
7.
 - a) Explain the importance of studying ecology and evolution in Biogeography **(4 marks)**
 - b) Discuss how climate change affects ecosystems, and the distribution and abundance of wildlife and vegetation. **(10 marks)**
8. Is biodiversity worth conserving? Argue both side of the coin. **(15 marks)**

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