MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS
2024/2025 ACADEMIC YEAR
FIRST YEAR FIRST SEMESTER

SCHOOL OF NATURAL RESOURCES, ENVIRONMENTAL STUDIES AND AGRICULTURE
DIPLOMA IN TOURISM AND WILDLIFE MANAGEMENT

COURSE CODE: NDTW 117
COURSE TITLE: BIOGEOGRAPHY AND CLIMATE

DATE: 24/4/2024   **TIME: 1430-1630 HOURS**

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section **A,** any other **THREE** in section **B.** Use relevant examples and illustrations.

This paper consists of 2 printed pages. Please turn over

SECTION A: ANSWER ALL QUESTIONS (25MARKS)

1. Define the following terms   **(5 Marks)**
   a. Biogeography
   b. Speciation
   c. Conservation Biogeography
   d. Climate Change
   e. Biomes

2. There are Several factors that causes Climate Change. State 5 of these factors.
   (5Marks)
3. Describe the types of distribution patterns in biogeography with Examples.
   (3 Marks)
4. Explain the history of biogeography   **(6 Marks)**
5. Highlight the biogeographical zones in East Africa   **(6 Marks)**

SECTION B: ANSWER ANY THREE QUESTIONS (45 MARKS)

6. a.) Differentiate between Adaptation measures and Mitigation measures in the
   context of climate change with Example.   **(5 Marks)**
   b.) Evaluate the effect of Climate Change on East Africa ecosystems, distribution and
   abundance of wildlife and vegetation.   **(10 Marks)**

7. As the manager of Maasai Mara Game Reserve, outline a comprehensive plan for
   restoring and conserving biodiversity within the reserve, considering modern-day
   challenges such as habitat fragmentation, human-wildlife conflict, and climate
   change**.**   **(15 Marks)**
8. Discuss with examples factors that limit and hinders geographical distribution of
   species in the world**.**   **(15Marks)**
9. Describe the theory of island biogeography.   **(15 Marks)**

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