



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCES, TOURISM
AND HOSPITALITY
BACHELOR OF SCIENCE IN WILDLIFE
RESOURCE MANAGEMENT**

**COURSE CODE: WRM 2108-1
COURSE TITLE: COMMUNITY ECOLOGY**

DATE: 06TH DECEMBER 2022

TIME: 08:30 -10:30

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

- 1 Define the following terms;
 - I. Ecology (1 Marks)
 - II. Community (1 Marks)
 - III. Secondary succession (1 Marks)
 - IV. Autecology (1 Marks)
2. Describe the characteristics of a climax community (5Marks)
3. Briefly explain the Niche theory (3Marks)
4. Differentiate between species richness and species evenness (2 Marks)
5. Explain the characteristics of a community (6Marks)

SECTION B: ANSWER ANY THREE QUESTIONS (10 MARKS EACH)

6. Discuss the biogeography factors affecting community distribution (10 Marks)
7. Prey use different mechanisms to avoid predation. Using specific examples, discuss the anti-predatory behavior in different organisms (10 marks)
8. Using illustrations, discuss ecological succession in a community (10 Marks)
9. Discuss the human impacts on natural resources (10 Marks)

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