



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
FIRST YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCE,
ENVIRONMENTAL STUDIES & AGRICULTURE
CERTIFICATE IN TOURISM AND WILDLIFE
MANAGEMENT**

COURSE CODE: CTW 009

**COURSE TITLE: RANGE ECOLOGY
MANAGEMENT.**

DATE: 29/1/2024

TIME: 1100-1300 HRS

Instructions:

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

SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION

1. Define the term rangelands.
3mks
2. Explain the following terms:
 - i. Ecosystem. 2 mks
 - ii. Ecology. 2mks
 - iii. Environment.
3. Explain the two types of grasslands. 6 mks
4. a) What are the tools for rangeland management. 8mks
b) What are importance of livestock put on rangeland 4mks

SECTION B: ANSWER ANY THREE QUESTIONS THEY CARRY EQUAL MARKS

5. a) Discuss differences between grazing capacity and carrying capacity. 7mks
b) Discuss the characteristics of rangelands. 8mks
- 6 a) Discuss rangelands improvement strategy. 10 mks
b) What causes rangelands resource decline 5mks
- 7 a) Explain the uses of rangelands 7mks
b) Discuss the grazing systems used in rangelands 8mks
- 8 a) Discuss methods of identification of different vegetation in rangelands. 10 mks
b) Discuss the process of rangeland inventory. 5 mks

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