



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2021/2022 ACADEMIC YEAR**

**SECOND YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCES, TOURISM  
AND HOSPITALITY**

**BACHELOR OF SCIENCE IN ANIMAL HEALTH  
AND PRODUCTION**

**COURSE CODE: AHP 2110-1**

**COURSE TITLE: PRINCIPLES OF RANGE  
MANAGEMENT**

**DATE: 30<sup>TH</sup> MARCH, 2022**

**TIME: 0830-1030**

---

**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 (20 MARKS)**

1. Define the following **(5 Marks)**
  - a) Range rehabilitation
  - b) Range improvement.
  - c) Rangeland Management
  - d) Stocking rates
  - e) Carrying capacity
2. Outline values of rangelands. **(3marks)**
3. Briefly explains the difference between continuous and rotation grazing system **(4 marks)**
4. Expound on the considerations when determining whether a range can be restored by natural means or by use of artificial re-vegetation? **(5 marks)**
5. Explain the influence of stocking rates to the stock and rangeland condition **(3 marks)**

**SECTION B (30 MARKS)**

7. Give a detailed analysis of the stepwise degradation of rangelands **(10 marks)**
8. Discuss the effects of grazing and browsing on the dynamics of a rangeland **(10marks)**
9. Discuss in details five range improvement techniques **(10 marks)**
10. Discuss how good rangeland management practices can help Kenya achieve vision 2030 development goals **(10 marks)**

**/////END/////**