



# **MAASAI MARA UNIVERSITY**

**MAIN UNIVERSITY EXAMINATIONS  
2023/2024 ACADEMIC YEAR  
THIRD YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCES, TOURISM  
AND HOSPITALITY  
BACHELOR OF SCIENCE IN ANIMAL HEALTH  
AND PRODUCTION**

**COURSE CODE: AHP 3104-1  
COURSE TITLE: PRICIPLES OF WILDLIFE  
MANAGEMENT**

**DATE: 15/12/2023**

**TIME: 1430-1630 HRS**

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**INSTRUCTIONS TO CANDIDATES**

Answer **All** the Questions in Section A and any **THREE** IN SECTION B

*This paper consists of **TWO** printed pages. Please turn over.*

**SECTION A (20Marks)**

1. Define the following terms
  - i. Wildlife Management (1marks)
  - ii. Sustainable Use (1 mark)
  - iii. Carrying capacity (1 mark)
  - iv. Threatened species (1 mark)
  - v. Rare species (1 Mark)
2. Briefly explain five (5) abiotic factors that affect the distribution of an animal population in an ecosystem. **(5 marks)**
3. With the aid of a diagram, describe the predator-prey relationships **(5 marks)**
4. Explain the importance of buffer-zone and wildlife movement corridors? **(5 marks)**

**SECTION B (30 Marks)**

5. Land use practices have a positive or negative impact on wildlife populations. Highlight the land use practices in Kenya, their impact on wildlife management **(10 marks)**
6. The East Africa savanna has the ability to host diverse species compositions and numbers. Exhaustively give reasons as to why this is possible **(10 marks)**
7. Discuss the advantages of wildlife ranching compared to cattle? **(10 marks)**
8. a) Define Maximum Sustained yield (MSY) and explain how it can applied in harvesting wildlife species **(6 marks)**  
b) Explain the shortcoming of MSY above, when applied in harvesting wildlife **(4 marks)**

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