



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATION  
2023/2024 ACADEMIC YEAR  
FIRST YEAR SECOND SEMESTER**

**SCHOOL OF PURE APPLIED AND HEALTH  
SCIENCES  
BACHELOR OF SCIENCE IN ANIMAL HEALTH  
AND PRODUCTION**

**COURSE CODE: AHP 1207-1**

**COURSE TITLE: PRINCIPLES OF ANIMAL  
HEALTH AND PRODUCTION**

**DATE: 20/5/2024**

**TIME: 0830-1100 HRS**

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**INSTRUCTION**

**Answer all questions**

## PRINCIPLES OF ANIMAL HEALTH AND PRODUCTION

[120 Marks]

- 1 a) Define the term animal ecology (2 Marks)
- b) Discuss the following interactions in animal ecology. (6 Marks)
  - i. Mutualism
  - ii. Parasitism
  - iii. Commensalism
- c) State five causes of animal diseases (5 Marks)
- d) State seven routine management practices done in ruminant animals and their importance (7 Marks)
- 2 a) State the merits and demerits of artificial insemination a reproductive technique used for breeding animals (10 Marks)
- b) State factors affecting livestock production in Kenya (10 Marks)
- 3) a) Discuss livestock production systems of animal production indicating their advantages and disadvantages (10 Marks)
- b) Discuss the impact of climate change on the following
  - i)Production (5 Marks)
  - ii)Reproduction (5 Marks)
- 4) a) Discuss the contribution of animal production to the Kenyan economy (10 Marks)
- b) Discuss the behavioural and physiological adaptations of animals that contributes to animal survival and reproduction (10 Marks)
- 5) a) Discuss five reasons for keeping records in livestock production (5Marks)
- b) List two dairy cattle breed and their unique characteristics (4 Marks)
- c) Discuss the uses of livestock products and by-products (6 Marks)
- d) Discuss the ecological factors affecting animal performance in terms of growth and development (5 Marks)
- 6) a) Name four (4) Acts of Parliament governing the livestock sector. (4 Marks)
- b) Discuss ways in which infectious diseases are spread (6 Marks)
- c) Giving appropriate examples, discuss the role of proper management in livestock farms on disease control (10 Marks)

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