



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2023/2024 ACADEMIC YEAR**

**FOURTH-YEAR SECOND SEMESTER**

**SCHOOL OF NATURAL RESOURCES,**

**ENVIRONMENTAL STUDIES & AGRICULTURE**

**BACHELOR OF SCIENCE IN ANIMAL HEALTH**

**AND PRODUCTION**

**COURSE CODE: AHP 4206-1**

**COURSE TITLE: HERD HEALTH**

**DATE:**

**TIME: 3HRS**

**INSTRUCTIONS TO CANDIDATES**

- (i) *Attempt ALL the questions*
- (ii) *Label your answers clearly*
- (iii) *Don't mix up answers*
- (iv) *DO NOT WRITE anything on the question paper*

*This paper consists of 3 printed pages. Please turn over*

### **Question 1**

- a) List three (3) key requirements for a successful herd health program **(6 Marks)**
- b) Describe the key steps involved in planning and carrying out herd health in beef cattle kept under pastoral (extensive) production **(14 Marks)**

### **Question 2**

Discuss the approach for mastitis control in dairy cattle under zero grazing with milking being carried out using machine milking (20 Marks)

### **Question 3**

- a) Using a sketch diagram describe the steps in developing a disease control program **(8 marks)**
- b) Give four (4) factors to be considered in defining goals of disease control programs for each of the following subcategories
  - a) Biological factors **(4 Marks)**
  - b) Control measures **(4 Marks)**
  - c) Socioeconomic consideration **(4 Marks)**

### **Question 4**

- i) Discuss four (4) key characteristics of a successful herd health program **(4 marks)**
- ii) Describe the Key steps involved in planning and carrying out herd health **(16 Marks)**

### **Question 5**

- i) List the factors that determine the frequency of visits to the herd in herd health management **(6 marks)**
- ii) Describe the activities done during herd health visits to a sheep production farm **(12 marks)**

### **Question 6**

- i) In a tabular format, describe the production targets of performance for a 100 sow farrow-finish production system **(12 marks)**
- ii) Discuss the control and eradication of diseases in a swine herd **(8 marks)**

**|||END|||**