



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR
FOURTH-YEAR SECOND SEMESTER**

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

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

COURSE CODE: AHP 4204

COURSE TITLE: HERD HEALTH

DATE:

TIME: 3HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions

This paper consists of 3 printed pages. Please turn over

Question 1

- a) What is a herd health program? (2 marks)
- b) Discuss the requirements for a successful herd health programme (6 marks)
- c) Describe the animal health economic losses common in livestock production systems (7 marks)
- d) Discuss factors affecting development of a herd health program (5 marks)

Question 2

- a) Describe in a stepwise manner the steps of developing a disease control program (12 marks)
- b) List factors to consider in setting achievable goals for disease control programme (8 marks)

Question 3

- a) Describe how to set up biosecurity level in a farm under the following subheadings (10 marks)
 - (i) Low Biosecurity Zone
 - (ii) Medium Biosecurity Zone
 - (iii) High Biosecurity Zone
- b) Discuss components of biosafety and biosecurity guidelines while using example of dairy enterprise (10 marks)

Question 4

- a) List four types of breeding records kept in a farm (5 Marks)
- b) Describe the kind of information recorded in any one of the records stated in (a) above and its application in management of breeding in animals (15 Marks)

Question 5

- a) List four (4) key characteristics of a successful herd health program (4 marks)
- b) Describe the key steps involved in planning and carrying out herd health in sheep production kept under pastoral (extensive) production (16 Marks)

Question 6

Describe the components of a herd health report (20 marks)