



MAASAI MARA UNIVERSITY

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

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

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

COURSE CODE: AHP 3203-1

**COURSE TITLE: VIRAL AND PARASITIC
DISEASES**

DATE:

TIME: 3HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions

This paper consists of 3 printed pages. Please turn over

Question 1

Discuss Blue tongue disease under the following headings

- (i) Aetiology (1 mark)
- (ii) Clinical signs (7 marks)
- (iii) Diagnosis (4 marks)
- (iv) Differential diagnosis (3 marks)
- (v) Treatment (3 marks)
- (vi) Control (2 marks)

Question 2

In respect of the Nairobi Sheep Disease, discuss the aetiology, transmission, clinical manifestation, diagnosis and prevention/control measures (20 marks)

Question 3

Describe the economic importance of ticks in a beef cattle production system (4 marks)

Describe the economic importance of Trypanosomosis a in beef cattle production system (6 marks)

Discuss the control and prevention measures of *Glossina* spp. in livestock production (10 marks)

Question 4

Describe Foot and Mouth Disease under the following sub – heading (20 marks)

- (i) Aetiology (1 mark)
- (ii) Risk factors (3 marks)
- (iii) Clinical signs (7 marks)
- (iv) Diagnosis (4 marks)
- (v) Treatment and Control (5 marks)

Question 5

Discuss the economic impact of parasitism in sheep production systems in area and semi-arid areas (20 marks)

Question 6

In respect of the following diseases, indicate the most appropriate sample for laboratory diagnosis and discuss the expected results

- (i) East coast fever (4 marks)
- (ii) Sub-clinical mastitis (4 marks)
- (iii) Anthrax (4 marks)
- (iv) Rabies (4 marks)
- (v) Avian distemper (4 marks)