



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2024/2025

### SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE DIPLOMA IN AGRICULTURE

#### AAD 2502: LIVESTOCK DISEASES AND PARASITE CONTROL

DATE: DECEMBER 2024

TIME: 1½ HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

#### QUESTION ONE (30 MARKS)

- a) Outline the diseases causing agent factors important to disease transmission (2 marks)
- b) What factors can affect the efficiency of the animals' immune system (3 marks)
- c) Heart water disease is characterized by? (3 marks)
- d) Draw a diagram that describes the epidemiological triad for livestock disease. (3 marks)
- e) Explain what is meant by the term livestock and give example of livestock (2 marks)
- f) Describe the symptoms of Rift Valley Fever in cattle and sheep (5 marks)
- g) Describe the geographical distribution of east coast fever (5 marks)
- h) Describe transmission of goat plague (2 marks)
- i) Outline symptoms of botulism in man (5 marks)

#### QUESTION TWO (15 MARKS)

Describe African swine fever under the following headings;

- a) What forms of the disease occur (3 marks)
- b) Transmission (5 marks)

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c) Differential diagnosis (2 marks)

d) How can the disease be introduced into the ASF free region/area (5 marks)

**QUESTION THREE (15 MARKS)**

Discuss the economic value of livestock in the anti-poverty campaign (15 marks)

**QUESTION FOUR (15 MARKS)**

Describe external parasites under the following topics

a. Importance of external parasites (6 mark)

b. Flies which cause fly strike (5 marks)

c. Control of flies (4 marks)