



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2024/2025

### SECOND YEAR SECOND SEMESTER EXAMINATION FOR UPGRADING TO DIPLOMA IN ANIMAL HEALTH AND PRODUCTION

#### AAP 2353: HERD HEALTH

**DATE: JANUARY 2025**

**TIME: 1½ HOURS**

#### INSTRUCTIONS:

*Answer question ONE and any other TWO questions*

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#### QUESTION ONE (30 MARKS)

Mastitis is most common disease among the dairy farmers worldwide. Describe the following to the members of your local dairy cooperative society;

- |                                              |           |
|----------------------------------------------|-----------|
| a) The causative agents                      | (3 Marks) |
| b) Predisposing factors                      | (7 Marks) |
| c) Types of mastitis                         | (6 Marks) |
| d) Clinical signs                            | (4 Marks) |
| e) Treatment and control                     | (6 Marks) |
| f) Describe the following diagnostic methods |           |
| i. Californian test                          | (2 Marks) |
| ii. Teat dip                                 | (2 Marks) |

## QUESTION TWO (15 MARKS)

Lumpy skin disease has been reported in your area of operation. Describe the following to the farmers;

- i. The causative agent (1 Mark)
- ii. Early and late clinical signs (5 Marks)
- iii. Mode of transmission (2 Marks)
- iv. Methods of curative and supportive treatment that is applied by animal health workers (4 Marks)
- v. Control methods (3 Marks)

## QUESTION THREE (15 MARKS)

A farmer has reported to you that his 100 layers are sick with drooping feathery. Upon arrival, you notice that they are passing out bloody faeces and 5 have died.

- i. Describe the possible causes of the disease giving differential diagnosis (5 Marks)
- ii. What are the predisposing factors? (5 Marks)
- iii. What advice do you give on treatment and control? (5 Marks)

## QUESTION FOUR (15 MARKS)

- a) Name and describe three defined direction that you undertake when examining an animal for a disease situation in the farm (9 Marks)
- b) A farmer reports to you that his cow is slightly coughing, a sharp drop in milk production and poor anorexia, swollen lymph nodes
  - Give two differential diagnosis
  - What steps do you take to arrive at the correct diagnosis? (6 Marks)