



# MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRIBUSINESS MANAGEMENT AND TRADE

THIRD YEAR SPECIAL/ SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT

AHE 300: ANIMAL HEALTH AND DISEASES

DATE: 20/01/2021

TIME: 2.00-4.00 PM

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## INSTRUCTIONS:

Answer question one and any other two questions

### QUESTION ONE (30 MARKS)

- a) Giving TWO examples, define the following terms in relation to domestic livestock diseases;
- i. Transmission (2 marks)
  - ii. Etiology (2 marks)
  - iii. Clinical sign (2 marks)
- b) Describe how a parasitic organism attacks a host leading to a disease (3 marks)
- c) Describe TWO fungal diseases that affect domestic livestock in Kenya (4 marks)
- d) Describe TWO viral diseases that affect domestic livestock in Kenya (4 marks)
- e) Explain FIVE benefits of maintaining healthy dairy animals (5 marks)
- f) Describe any TWO clinical signs for diseases transmitted by ticks (4 marks)
- g) Describe any FOUR ways of disease transmission in livestock (4 marks)

### QUESTION TWO (20 MARKS)

Discuss signs of good health in a goat herd

### QUESTION THREE (20 MARKS)

- a) Describe Brucellosis infection under the following headings;
- i. Etiology (2 marks)
  - ii. Species affected (2 marks)
  - iii. Transmission (2 marks)
  - iv. Clinical signs (2 marks)
  - v. Diagnosis (2 marks)
- b) Describe Tetanus disease under the following headings
- i. Etiology (2 marks)
  - ii. Species affected (2 marks)
  - iii. Transmission (2 marks)
  - iv. Clinical signs (4 marks)

### QUESTION FOUR (20 MARKS)

- a) Describe the clinical signs of the three forms of rabies disease (9 marks)
- b) Describe ECF (East Coast Fever) disease under the following headings
- i. Etiology (2 marks)
  - ii. Species affected (2 marks)
  - iii. Transmission (2 marks)
  - iv. Clinical signs (3 marks)
  - v. Diagnosis (2 marks)

### QUESTION FIVE (20 MARKS)

- a) Describe Ringworms infection under the following headings
- i. Species affected (2 marks)
  - ii. Transmission (2 marks)
  - iii. Clinical signs (2 marks)
  - iv. Diagnosis (2 marks)
  - v. Treatment (2 marks)
- b) Describe Anthrax disease under the following headings
- i. Etiology (2 marks)
  - ii. Species affected (2 marks)
  - iii. Transmission (2 marks)
  - iv. Diagnosis (2 marks)
  - v. Treatment (2 marks)