



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

THIRD YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION AHE

300: ANIMAL HEALTH AND DISEASES

DATE:

TIME:

INSTRUCTIONS:

Answer question one and two other questions

QUESTION ONE (30 MARKS)

- a) Giving examples, define the following terms in relation to domestic livestock diseases;
- Transmission (2 marks)
 - Etiology (2 marks)
 - Clinical sign (2 marks)
 - Zoonosis (2 marks)
 - Pathogenesis (2 marks)
 - Vector (2 marks)
 - Host (2 marks)
- b) Discuss how a parasitic organism attacks a host leading to a disease (4 marks)
- c) Name four protozoal diseases that affect domestic livestock in Kenya (2 marks)
- d) Name six viral diseases that affect domestic livestock in Kenya (3 marks)
- e) A farmer in Machakos County has requested you to visit her farm for advisory services regarding her dairy farm, state five benefits you would give her why she should always maintain her cows in healthy condition (5 marks)

- f) Name any two diseases transmitted by ticks in cows (2 marks)

QUESTION TWO (20 MARKS)

A farmer who intends to start a dairy goat farm has requested you to visit his farm for advisory services, discuss ten signs of good health in goats you would advise the farmer to keep observing once the farm is started (20 marks)

QUESTION THREE (20 MARKS)

- a) Discuss Round worms infection under the following headings;
- i. Species affected (2 marks)
 - ii. Transmission (2 marks)
 - iii. Pathogenesis (2 marks)
 - iv. Clinical signs (2 marks)
 - v. Diagnosis (2 marks)
- b) Discuss 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) Discuss the three forms of rabies clinical signs (9 marks)
- b) Discuss 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. Discuss 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. Discuss 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)