



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRIBUSINESS MANAGEMENT AND TRADE

THIRD YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT AND TRADE

AHE 300: ANIMAL HEALTH AND DISEASES

DATE: 29/7/2019

TIME: 11.00-1.00 PM

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (30 Marks)

- a. Define the following terms in relation to domestic livestock diseases;
 - i. Vector (1 mark)
 - ii. Host (1 mark)
 - iii. Parasitism (1 mark)
 - iv. Clinical sign (1 mark)
 - v. Roundworms (1 mark)
 - vi. Transmission (1 mark)
 - vii. Control (1 mark)
- b. You have been employed as an agricultural extension officer by Machakos County Government, state five reasons why you would encourage farmers to always keep their Chicken flocks healthy (5 marks)
- c. State any six bacterial diseases that affect Cattle in Kenya (3 marks)
- d. You have been invited by Machakos dairy goat farmers to a farmer's education day, name any four ectoparasites of importance in goats you will discuss with the farmers (2 marks)
- e. Describe the transmission of roundworms in Sheep (4 marks)
- f. State two ways of controlling roundworms in Livestock (4 marks)
- g. Discuss how a parasitic organism attacks a host leading to a disease (5 marks)

Examination Irregularity is punishable by expulsion

QUESTION 2 (20 Marks)

- a. Discuss eight signs of good health in pigs (16 marks)
- b. Name three ways of controlling tick borne diseases (3 marks)
- c. List one fungal disease affecting chicken (1 mark)

QUESTION 3 (20 Marks)

- a. Discuss Anthrax under the following headings
 - i. Etiology (2 marks)
 - ii. Species affected (2 marks)
 - iii. Transmission (2 marks)
 - iv. Diagnosis (2 marks)
 - v. Treatment (1 mark)
 - vi. Control (1 mark)
- b. Discuss Candidiasis under the following headings
 - i. Etiology (2 marks)
 - ii. Species affected (2 marks)
 - iii. Diagnosis (2 marks)
 - iv. Treatment (2 marks)
 - v. Treatment (2 marks)

QUESTION 4 (20 Marks)

- a. Discuss Tetanus under the following headings
 - i. Etiology (2 marks)
 - ii. Species affected (2 marks)
 - iii. Transmission (2 marks)
 - iv. Clinical signs (4 marks)
- b. Discuss CCPP (Contagios Caprine Pleural Pneumonia) under the following headings
 - i. Etiology (2 marks)
 - ii. Species affected (2 marks)
 - iii. Transmission (2 marks)
 - iv. Clinical signs (2 marks)
 - v. Treatment (1 mark)
 - vi. Control (1 mark)

QUESTION 5 (20 Marks)

- a. Name any ten viral diseases of food animals (10 marks)
- b. Discuss Rabies under the following headings
 - i. Etiology (2 marks)
 - ii. Species affected (2 marks)
 - iii. Transmission (2 marks)
 - iv. Control (4 marks)