



MACHAKOS UNIVERSITY

University Examinations for 2016/2017 Academic Year

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

THIRD YEAR FIRST SEMESTER EXAMINATION FOR DIPLOMA IN

AGRICULTURAL EDUCATION AND EXTENSION

AHE 0300 ANIMAL HEALTH AND DISEASES

DATE: 4/8/2017

TIME: 8:30 – 10:30 AM

INSTRUCTIONS:

Answer Question One and Any Other Two Questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- (a) Explain the meaning of the term 'differential diagnosis' and give two examples for livestock diseases. (3 marks)
- (b) Explain what is a vaccine and name two types of vaccines used to prevent livestock diseases. (3 marks)
- (c) Explain why it is difficult to eradicate tsetse flies and trypanosomiasis from Kenya. (5 marks)
- (d) Describe the clinical signs of Gumboro disease in poultry (3 marks)
- (e) Describe the clinical signs of anaplasmosis in cattle. (3 marks)
- (f) Outline the control methods for African Swine Fever. (4 marks)
- (g) Describe how East Coast Fever disease transmitted? (3 marks)
- (h) Explain the disadvantages associated with use of chemical pesticides for control of animal diseases (6 marks)

QUESTION TWO (20 MARKS)

Discuss the occurrence and importance of helminthosis with respect to the various agro-ecological zones in Kenya. (20 marks)

QUESTION THREE (20 MARKS)

Describe Rabies disease under the following sub-titles (20 marks)

- (a) Causative agent and species affected
- (b) Transmission
- (c) Clinical signs
- (d) Control

QUESTION FOUR (20 MARKS)

Describe Foot and Mouth Disease under the following sub-titles (20 marks)

- (a) Economic importance
- (b) Transmission
- (c) Clinical signs
- (d) Control

QUESTION FIVE (20 MARKS)

Discuss the disease prevention and control methods in a poultry farm. (20 marks)