



MACHAKOS UNIVERSITY

University Examinations for 2016/2017 Academic Year

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF AGRIBUSINESS MANAGEMENT

THIRD YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF
SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

KAP 301 ANIMAL HEALTH AND DISEASE

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 why control of animal diseases is important. (4 marks)
- (b) Describe how Rift Valley Fever disease is transmitted in cattle and human beings. (4 marks)
- (c) Distinguish between a rickettsia and ordinary bacterium. (3 marks)
- (d) Describe the clinical signs of East Coast Fever. (3 marks)
- (e) Explain how environmental conditions influence the occurrence and severity of animal diseases. (4 marks)
- (f) Give three diseases or conditions you would suspect if you observe anaemia and poor body condition in a cow. (3 marks)
- (g) Explain the difference between 'final host' and 'intermediate host' in parasitology and give two examples of each. (6 marks)
- (h) Describe the clinical signs of New Castle Disease in poultry. (3 marks)

QUESTION TWO (20 MARKS)

Describe pig tapeworm (*Taenia solium*) under the following sub-titles (20 marks)

- (a) Causative agent
- (b) Life-cycle and transmission
- (c) Control

QUESTION THREE (20 MARKS)

Describe African Swine Fever Disease under the following sub-titles (20 marks)

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

QUESTION FOUR (20 MARKS)

Discuss the control methods for ecto-parasites of domestic animals. (20 marks)

QUESTION FIVE (20 MARKS)

Giving examples, discuss why eradication of many livestock diseases in Kenya is difficult (20 marks)