

90



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY  
(MMUST)**

**MAIN CAMPUS  
MAIN EXAMINATIONS**

**UNIVERSITY EXAMINATIONS  
2023/2024 ACADEMIC YEAR**

**FOURTH YEAR FIRST SEMESTER EXAMINATIONS FOR THE  
DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURAL  
EDUCATION AND EXTENSION**

**COURSE CODE: AAH 420**

**COURSE TITLE: ANIMAL DISEASES**

**DATE: 14.12.23**

**TIME: 3-5PM**

**INSTRUCTIONS TO CANDIDATES**

Answer ALL questions in section A and ANY TWO questions in section B

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

## SECTION A SHORT ANSWER QUESTIONS (30 MARKS)

- 1) Outline six (6) categories of causes of animal diseases **(6 marks)**
- 2) Define the following terms:
  - a) Epidemiology
  - b) Infection
  - c) Necropsy
  - d) Contagious disease
  - e) Virulence
  - f) Specific treatment **(6 marks)**
- 3) Highlight the mechanisms available for pathogen means of avoiding host defence mechanisms in the following cases:
  - a) Lung infection
  - b) Gastro-intestinal infection
  - c) Urogenital tract infection **(6 marks)**
- 4) Highlight disadvantages of using inactivated vaccines **(6 marks)**
- 5) Name the means of transmission of each of the following animal diseases:
  - a) Anthrax
  - b) Foot and mouth disease
  - c) Theileriosis
  - d) Coccidiosis
  - e) New castle
  - f) Mastitis

## SECTION B ESSAY QUESTIONS

- 6) Describe various ways of animal disease diagnosis **(20 marks)**
- 7) Discuss factors that may lead to failure of a vaccine **(20 marks)**
- 8) Write an essay on adult and larval cestode infections **(20 marks)**