

AAH 302



(University of Choice)

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

**MAIN CAMPUS
MAIN EXAMINATIONS (ODEL)**

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

**THIRD YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN ANIMAL
PRODUCTION AND PROCESSING**

COURSE CODE: AAH 302

**COURSE TITLE: ANIMAL DISEASES, PARASITES AND
HEALTH MANAGEMENT**

DATE: 15.12.23

TIME: 12-2PM

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 (ANSWER ALL QUESTIONS (30 MARKS))

1. a) Outline the factors which must interact to determine the health status of an animal (3 marks).

b) State three economic effects of livestock diseases (3 marks)

2. Name the host defense mechanisms available against urogenital disease causing agents and state mechanisms of the agent evasion of the host defense (6 marks)

3. a) Explain why it is difficult to treat livestock viral diseases (3 marks)

b) Outline principles of control of livestock infectious diseases (3 marks)

4. State one vector and one symptom for each of the following animal diseases in a named host:

a) Trypanosomiasis (2 marks)

b) Equine infectious anemia (EIA) (2 marks)

c) Theileriasis (2 marks)

5. Outline the life cycle of a typical trematode (6 marks)

SECTION B ANSWER ANY TWO QUESTIONS (40 MARKS)

6. Discuss the roles of various factors in livestock disease management (20 marks)

7. Give an account of protozoan diseases in poultry (20 marks)

8. Discuss the steps that one has to follow if he has to introduce a new animal in his population of livestock (20 marks)