



(University of Choice)

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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

**THIRD YEAR SECOND SEMESTER MAIN EXAMINATIONS FOR
THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE
AND BIOTECHNOLOGY**

COURSE CODE: AAH 302

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

DATE: 26TH APRIL, 2022

TIME: 12-2 PM

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 SHOERT ANSWER QUESTIONS (30 MARKS)

- 1) Describe various types of host/agent interactions in disease development **(6 marks)**
- 2) Explain mechanisms available for pathogens to establish themselves to cause disease
(6marks)
- 3) Highlight various methods used in disease eradication programmes **(6 marks)**
- 4) State the pathogen that causes each of the following diseases:
 - a) Foot and mouth disease **(1 mark)**
 - b) Coccidiosis **(1mark)**
 - c) East Coast Fever (ECF) **(1mark)**
 - d) Haemoncosis **(1mark)**
 - e) Tuberculosis **(1mark)**
 - f) Swamp fever **(1mark)**
- 5) Highlight the effects of parasites on their hosts **(6 marks)**

SECTION B ESSAY QUESTIONS (40 MARKS)

- 6) Discuss factors that may lead to vaccination failure **(20marks)**
- 7) Write an essay on aetiology, transmission, diagnostic signsand control of Brucellosis in cattle **(20 marks)**
- 8) Describe the life cycle of *Taeniasaginata* **(20 marks)**