



(University of Choice)

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

**MAIN CAMPUS
MAIN EXAMINATIONS**

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

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

COURSE CODE: AAH 304

COURSE TITLE: PHARMACOLOGY AND TOXICOLOGY

DATE: 26.04.2023

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 SHORT ANSWER QUESTIONS (30 MARKS)

- 1) Define pharmacology and outline aspects of pharmacology **(6 marks)**
- 2) Define the following terms:
 - a) Pharmacodynamics
 - b) Drug
 - c) Toxicology **(6 marks)**
- 3) Highlight non-cellular mechanisms of drug action **(6 marks)**
- 4) Outline the factors affecting drug distribution in the body **(6 marks)**
- 5) With examples, explain human health issues of drug use **(6 marks)**

SECTION B ESSAY QUESTIONS (40 MARKS)

- 6) Describe the types of specimens sampled for analysis from a poisoned individual **(20 marks)**
- 7) Describe systemic routes of drug administration **(20 marks)**
- 8) Write an essay on the basic types of drug action **(20 marks)**