



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCES AND
TOURISM AND HOSPITALITY**

**BACHELOR OF ANIMAL HEALTH AND
PRODUCTION**

COURSE CODE: AHP 3104

**COURSE TITLE: PHARMACOLOGY AND
TOXICOLOGY**

DATE:

TIME: 3 hrs

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section **A** and any other **THREE** in section **B**.

This paper consists of 2 printed pages. Please turn over

Answer all questions (120 Marks)

1. a) Define the following terms:

- i) Pharmacology (2 marks)
- ii) Drug (2 marks)
- iii) Pharmacodynamics (2 marks)
- iv) Half-life (2 marks)
- v) Toxicology (2 marks)
- vi) Chemotherapy (2 marks)
- vii) Antibiotic (2 marks)
- viii) Bactericidal (2 marks)
- ix) Bacteriostatic (2 marks)
- x) Ethnomedicine (2 marks)

2. a) Explain the factors that influence the rate of drug distribution in an animal body. (15 marks)

b) List **FIVE** possible side effects of drugs. (5 marks)

3. Discuss tetracyclines under the following headings. (5 marks each)

- a) Duration of action
- b) Mode of action
- c) Pharmacokinetics
- d) Routes of administration

4. Explain your choice of **FIVE** different routes of drug administration. (20 marks)

5. Discuss the importance of drug antagonism. (20 marks)

6. a) List **TEN** plants commonly used for ethnoveterinary medicine with their corresponding applications/uses.

(10marks)

b) Discuss toxic effects of two named antimicrobials.

(10 marks)