

KISII UNIVERSITY
SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT
EXAMINATIONS FOR THE AWARD OF A CERTIFICATE IN ANIMAL HEALTH AND
PRODUCTION- JANUARY-APRIL 2024 .

ANHE 00318- BASIC PHARMACOLOGY AND TOXICOLOGY. Y2 S1

INSTRUCTIONS - Answer all questions in Section A and any TWO questions in Section B . Time 2 hours.

Section A- 40 Marks

1. Explain the meaning of the following terms or concepts pharmacology and give relevant examples where necessary.
 - a. Antibiotic.
 - b. Pesticide
 - c. c. Drug addiction
 - d. d. Drug toxicity
 - e. Drug dosage
 - f. Pharmacokinetics.
 - g. Pharmacodynamics
 - h. Drug bioavailability
 - i. Drug half- life
 - k. Lethal Dose-50/ LD-50 20 marks

2. Explain any challenges or shortcomings encountered when using chemotherapeutics/ drugs in modern medical practices, 5 marks

3. State the important characteristics of an ideal pesticide. 5 marks

4. Explain the meaning of the following in toxicology

- a. Mycotoxins
- b . Radiation poisoning
- c. Endotoxaemia
- d . Acute poisoning
- e. Chronic poisoning 10 marks.

SECTION B. Answer any TWO QUESTIONS 30 MARKS

3. Classify and give examples of the sources of poisoning in livestock. 10 marks
Explain how aflatoxicosis occurs in livestock . 5 mks

4 . List any Four groups of important veterinary drugs ,stating their specific uses. 8 mks

Describe the various important useful information found in the drug package and give the importance of each. 7 mks

5. State the various routes of administering drugs to animals . 5 marks

Describe the fate or destiny of a drug administered through the mouth to an animal . 10 marks.

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From DR. JARED M , ONKANGI