



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF THE DIPLOMA IN ANIMAL HEALTH AND PRODUCTION

FIRST SEMESTER 2023/2024

[JULY, 2024]

ANHE 0318: PHARMACOLOGY AND TOXICOLOGY

STREAM: Y2 S1

TIME: 3 HOURS

DAY: MONDAY, 2:00 - 5:00 P.M.

DATE: 22/07/2024

INSTRUCTIONS

- 1. Do not write anything on this question paper.**
- 2. Answer question ONE in section A (Compulsory) and any other TWO questions from section B.**

SECTION A- 40 MARKS

1. Explain the meaning of the following terminologies
 - a. Drug
 - b. Drug action
 - c. Drug absorption
 - d. Drug dosage
 - e. Drug concentration
 - f. Drug contraindications
 - g. Drug toxicity
 - h. Drug Shelf life
 - i. Drug half life
 - j. Drug elimination (20marks)
2. What is a pesticide? (3 marks). Describe the characteristics of an ideal pesticide. (7 marks)
3. Explain the meaning of the following terms used in toxicology.
 - a) Mycotoxins
 - b) Toxikinetics
 - c) Toxicosis
 - d) Acute poisoning
 - e) Biological poison(10marks)

SECTION B – 30 MARKS

4. Describe the various routes of administering veterinary drugs to animals. (10 marks)

5. Classify the various groups of the common veterinary drugs and give any relevant examples in each case, (10 marks)
6. Discuss the pharmacokinetics of a drug following oral admission in animals. (10 marks)
7. Describe the various important information that accompanies a manufactured drug for veterinary during package.