

**BINDURA UNIVERSITY OF SCIENCE EDUCATION  
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE**

**AGA 226 PAPER 2**

**DEPARTMENT OF ANIMAL SCIENCE  
BSC HAHPE PART II EXAMINATION  
PHARMACOLOGY AND TOXICOLOGY**

**3 HOURS (100 Marks)**

**INSTRUCTIONS TO CANDIDATES**

Answer any **FOUR** questions. Each question carries **25 Marks**

OCT 2024

1. Discuss any eight (8) commonly used routes of drug administration in the field, highlighting the advantages and disadvantages of each route (25 marks)
2. Discuss the general approach to the treatment and management of poisoning of farm and pet animals Zimbabwe (25 marks)
3. Describe the factors that influence toxicity in farm animals (25 marks)
4. The handling, distribution and use of Veterinary Medicines in Zimbabwe is regulated by the Medicines Control Authority of Zimbabwe (MCAZ). Answer the following questions relating to the control of Veterinary Medicines
  - a. Highlight the objectives of controlling veterinary Medicines in Zimbabwe (12 marks)
  - b. Highlight any four (4) reasons why veterinary medicines should be registered before use (8 marks)
  - c. Identify the classes of 'Veterinary Medicines in Zimbabwe (5 marks)
5. Highlight twelve (12) requirements for the labelling of veterinary product (25 marks)
6. Answer the following questions relating to drug dosage forms
  - a. List four drug dosage forms (8 marks)
  - b. Identify the six (6) classes of solid dosage forms (12 marks)
  - c. Identify five (5) liquid dosage forms that are commonly used (5 marks)

**END OF PAPER**