

**BINDURA UNIVERSITY OF SCIENCE EDUCATION**  
**FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE**  
**AGA 108 PAPER 2**  
**DEPARTMENT OF ANIMAL SCIENCE**  
**BSC HAHPE PART I EXAMINATION**

**ANIMAL EXAMINATIONS, DIAGNOSTICS AND THERAPEUTIC TECHNIQUES**

**3 HOURS (100 Marks)**

 OCT 2023

**INSTRUCTIONS TO CANDIDATES**

There are four stations. You are given 15 MINUTES at each station. Answer ALL the questions at EACH STATION. Each Station carries **25 Marks**

1. **STATION 1:** You are presented with a cow/bull. Cast the animal down (25 marks)
2. **STATION 2:** You are presented with a pig. Carry out a complete clinical examination of the animal presented. Write down your main findings under appropriate sub-headings. [25 marks]
3. **STATION 3:** Answer the following questions
  - a) You are given a piece of orange, needles, and a drug bottle. Demonstrate the following therapeutic techniques
    - (i) IM. [3 marks]
    - (ii) SC. [3 marks]
    - (iii) Intra-dermal. [3 marks]
  - b) Indicate the size of the needle presented. [1 mark]
  - c) What size of needles would you use in the following animals?
    - (i) Cattle. [2 marks]
    - (ii) Goats. [2 marks]
    - (iii) Dogs. [2 marks]
    - (iv) Cats. [2 marks]
    - (v) Broiler chickens. [2 marks]
  - d) Identify the dosage form, strength, dose rate, required repeats, and route of administration of the drug presented. [5 marks]
4. **STATION 4:** You are presented with an animal. Answer the following questions
  - a) What is the Signalment of the animal presented. [10 marks]
  - b) Collect blood for serological examinations. [5 marks]
  - c) Make a thin blood smear. [5 marks]
  - d) Give five (5) reasons why we need to learn to properly restrain animals. [5 marks]

**END OF PAPER 2**