

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

AGA 108 PAPER

1

**DEPARTMENT OF ANIMAL SCIENCE
BSC HAHPE PART I EXAMINATION**

ANIMAL EXAMINATIONS, DIAGNOSTICS AND THERAPEUTIC TECHNIQUES

3 HOURS (100 Marks)

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 an animal. Answer the following questions**
 - a. What is the Signalment of the animal presented? [15 marks]
 - b. Give any five (5) reasons why it is important to properly restrain this animal. [10 marks]

2. **STATION 2: You are presented with pieces of rope/string on a Table. Tie the following knots. Attach each knot you have tied on a separate page of your answer booklet using the tape provided**
 - a. Bowline. [5 marks]
 - b. Square Knot. [5 marks]
 - c. The Figure Eight. [5 marks]
 - d. Taut Line Hitch. [5 marks]
 - e. Fisherman's Knot. [5 marks]

3. **STATION 3: Carry out a complete clinical examination of the Goat presented.** [25 marks]

4. **STATION 4: You are presented with a Cow. Answer the following questions**
 - a. Please record the temperature, respiration rate, heart rate, rumination rate, and colour of the mucus membranes of the animal presented. [10 marks]
 - b. Restrain the animal using a halter. [5 marks]
 - c. Collect blood for serological examinations. [5 marks]
 - d. Make a thin blood smear. [5 marks]

END OF EXAM PAPER 1

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