

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

AGA425

**Department of Animal Science**  
**BSc Animal Health and Production Extension (Honours) Part III Examination**  
**Beef, Goat and Sheep Production**  
**3 HOURS (100 Marks)**

**INSTRUCTIONS**

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

NOV 2024

1. Discuss animal production in Zimbabwe under the following headings:
  - a. Intensive production systems. [13 marks]
  - b. Extensive production systems. [12 marks]
1. Write notes on the important characteristics of beef breeds found in Zimbabwe. [25 marks]
3. Discuss the marketing of beef in Zimbabwe. [25 marks]
4. Write short notes on the importance of the following in livestock production:
  - a) Vaccination program. [6 marks]
  - b) Castration, dehorning and ear notching. [6 marks]
  - c) Feed supplements for the beef herd. [7 marks]
  - d) Natural mating versus artificial insemination. [6 marks]
5. Zimbabwe has moved from being a 'cattle country' to a 'chicken country' in terms of meat consumption. Discuss. [25 marks]
6. Discuss the nutritional requirements of a pregnant cow and recommend to a farmer the sources of nutrients for the cow. [25 marks]

**End of Exam Paper**