

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

AGA422

Department of Animal Science

BSc Animal Science and Technology Part IV Examination

Small Ruminant Production (c)

 **OCT 2023**

3 HOURS (100 Marks)

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

1. a) Discuss the selection of rams and bucks in a flock. **[15 marks]**
b) In a goat enterprise discuss the production targets and how you would try and achieve those targets. **[10 marks]**

2. Discuss the feeding of small ruminants under the following headings:
a) Feeding during the dry period up to lambing/kidding **[10 marks]**
b) Feeding during lactation **[10 marks]**
c) Feeding of rams and bucks **[5 marks]**

3. a) Explain the physiological basis for increased fertility that comes with flushing of females in small ruminants. **[10 marks]**
b) Describe how flushing can be achieved in small ruminants. **[5 marks]**
c) Discuss any five (5) important factors to consider in choosing the lambing season in Zimbabwe. **[10 marks]**

4. Use of irrigated pastures has gone down in Zimbabwe. Discuss the possible causes for the decline and based on the causes whether or not the decline will be reversed. **[25 marks]**

5. Write a short account on the handling facilities that are expected on a small ruminant farm with more than 50 animals. **[25 marks]**

6. Describe a flock health programme that you would implement for small ruminants on a farm. **[25 marks]**

End of paper