



# KISII UNIVERSITY

## UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF THE DIPLOMA IN  
ANIMAL HEALTH AND PRODUCTION  
FIRST SEMESTER 2023/2024  
[JULY, 2024]**

**ANSC 0250: LIVESTOCK PRODUCTION SYSTEMS: RUMINANT  
HUSBANDRY**

**STREAM: Y2 S1**

**TIME: 3 HOURS**

**DAY: MONDAY, 9:00 - 11:00 A.M.**

**DATE: 29/07/2024**

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### **INSTRUCTIONS**

- 1. Do not write anything on this question paper.***
- 2. Answer question ONE in section A (Compulsory) and any other TWO questions from section B.***

### **SECTION A –ANSWER ALL QUESTIONS -40MARKS**

1. Define the following terms and give an example relevant.
  - a) Beef exotic cow
  - b) Ruminant
  - c) Dual purpose breed
  - d) heifer
  - e) Parturition (10 marks)
- 2.a) State the various precautions taken when spraying acaricide on animals (4 marks)
  - b) Explain the various factors considered when feeding cattle (6 marks)
3. Describe the various farm hygiene measures in a dairy cattle shed/house (10 marks)
4. Discuss the various stages leading to the completion of the process of parturition in cows (10 marks)

**SECTION B. ANSWER ANY THREE QUESTIONS IN THIS SECTION**

5. Discuss the importance of preparing and keeping farm records giving at least any five of such records (10 marks)
6. Compare and contrast natural and artificial insemination in cows when used in mating cattle (10 marks)
7. Some animal welfare issues contradict others. Discuss this in view of a housed/zero grazed dairy cow (10 marks)
8. Discuss the importance of goat and sheep production as compared with cattle production (10 marks)