

CHUKA



UNIVERSITY

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RESITS/SPECIAL EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF
SCIENCE IN ANIMAL SCIENCE**

ANSC 359: PRINCIPLES OF ANIMAL PRODUCTION

STREAMS:

TIME: 2 HOURS

DAY/DATE: MONDAY 28/8/2023

2.30 P.M. – 4.30 P.M.

Instruction: Answer all question in Section A and Any two in B

Section A Answer all questions (30 Marks)

1. What is the importance of livestock in Kenya? (2 marks)
2. State the problems facing livestock sector in Kenya. (6 marks)
3. Define (a) progeny testing (b) cloning. (2 marks)
4. What is the importance of housing in livestock production? (2 marks)
5. Based on mode of transmission state three classes of diseases. (3 marks)
6. State using examples the main classification of feedstuff and nutrients. (5 marks)
7. What are the routes of gaining and losing water from the body? (4 marks)
8. Briefly discuss the mechanism for nutrient absorption in animals. (6 marks)

Section B Answer any two questions (40 Marks)

9. Discuss the digestive tract of ruminants and birds. (20 marks)
10. A) Discuss the following systems of breeding showing advantages and weakness of each system: in-breeding and out-breeding. (10 marks)

B) Discuss factors considered while marketing eggs, table birds and dairy products.

(10 marks)

11. A) Explain importance of use cloning and transgenic animals in animal breeding.

(10 marks)

B) Name five common infectious diseases in cattle, sheep and goats their transmission and prevention.

(10 marks)

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