



FACULTY OF LIFE SCIENCES
DEPARTMENT OF ANIMAL SCIENCE

BACHELOR OF SCIENCE HONOURS DEGREE IN ANIMAL SCIENCE

Small Ruminant Production (LAS 2208)

SEMESTER 2 EXAMINATION

August 2021

Time Allowed: 3 hours
Special Requirements: None
Examiner's Name: Dr B. Moyo

Instructions to Candidates:

1. The paper consists of six questions, answer **ALL** questions in **Section A** and **ANY TWO** in **Section B**.
2. Marks for each question are shown in brackets. Where a question has subdivisions, the marks for each subdivision are given.
3. Illustrate your answer, where applicable, with large clearly labelled diagrams.

MARK ALLOCATION

QUESTION	MARKS
SECTION A	60
SECTION B	40
TOTAL ATTAINABLE MARKS	100

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SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION

Question 1

- a. Define the following terms used in small ruminant production:
- i. Mass selection; [1]
 - ii. Quarantine; [1]
 - iii. Buckling; [1]
 - iv. Pedigree selection; [1]
 - v. Chevon. [1]
- b. State the signs of lambing/kidding. [5]
- c. State the benefits of supplementation of goats? [4]
- d. Describe flushing and its importance in sheep production. [6]

Question 2

- a. Discuss the importance of the following in small ruminant production:
- i. Castration; [5]
 - ii. Docking of tails (detailing); [3]
 - iii. Body condition scoring. [3]
- b. State the important records that a farmer should have in small ruminant production. [9]

Question 3

- a. Describe the recommendations that ensure good reproduction in bucks. [8]
- b. Discuss six (6) factors affecting reproduction efficiency in small stock production. [12]

SECTION B: ANSWER ANY TWO QUESTIONS IN THIS SECTION

Question 4

- a. Discuss any four (4) special features of sheep and goats. [12]
- b. Describe the process of castration using the burdizzo method. [8]

Question 5

- a. As a new employee in the Division of Livestock and Veterinary services, discuss

with farmers six (6) major constraints of sheep and goat production in Zimbabwe. [18]

b. Name four chevon breeds of goat mostly kept in Zimbabwe. [2]

Question 6

Discuss the Strategies of disease control in small ruminant production. [20]

END OF EXAMINATION PAPER