

GWANDA STATE UNIVERSITY



FACULTY OF LIFE SCIENCES

DEPARTMENT OF ANIMAL SCIENCES

BACHELOR OF SCIENCE HONOURS DEGREE IN ANIMAL SCIENCE

Small Ruminant Production

LAS 2208

First Semester Final main Examination Paper

June 2019

This examination paper consists of 3 pages

Time Allowed: 3 hours
Total Marks: 100
Special Requirements: None
Examiner's Name: Dr B. Moyo

INSTRUCTIONS

1. Answer **all** questions in Section A
2. Answer **only two** questions in Section B

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

1a Define the following terms used in small ruminant.

i. Chevon [1]

ii. Quarantine [1]

iii. Dystocia [1]

1b State six factors affecting the reproductive efficiency in sheep production. [6]

1c Name three castration methods that are commonly used in goat production. [3]

1d Explain in briefly treatment and control of coccidiosis in small ruminants. [8]

2a Discuss the characteristics of boer goat breed which makes it one of the popular breeds in the world. [10]

2b) Discuss the factors affecting choice of a breed. [10]

3a A farmer wants to purchase a buck for breeding, however they are two bucks of the same breed and age to choose from. One of the bucks is natural polled while the other one has horns. Discuss with him in assisting to choose the rightful buck to use for breeding, highlighting the reasons against selecting the other buck. [5]

3b Discuss the management of lambs from weaning to slaughter. [10]

3c Describe the process of testing burrdizzo's efficiency. [5]

SECTION B: ANSWER ONLY TWO QUESTIONS IN THIS SECTION

4a Discuss the reproductive performance indicators that are used in goat production. [15]

4b Briefly present drought-mitigatory strategies that goat farmers need to consider in anticipation of drought. [5]

5 You have been recently employed by the Department of Livestock Production and Development, then you meet a group of newly resettled farmers. Discuss with them how they can enhance the performance of their buck. [20]

6 Discuss management of newborn animals from birth to weaning. [20]

7a Discuss mating systems used in goat production. [15]

7b Briefly describe how burdizzo castration can be done to a male sheep. [5]