



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

**FACULTY OF HEALTH, NATURAL RESOURCES AND APPLIED SCIENCES
SCHOOL OF AGRICULTURE AND NATURAL RESOURCES SCIENCES
DEPARTMENT OF AGRICULTURAL SCIENCE AND AGRIBUSINESS**

QUALIFICATIONS: BACHELOR OF SCIENCE IN AGRICULTURE	
QUALIFICATIONS CODE: 07BAGA	LEVEL: NQF LEVEL 7
COURSE CODE: SLH611S	COURSE NAME: SUSTAINABLE LARGE RUMINANT HUSBANDRY
DATE: JULY 2024	SESSION: JULY
DURATION: 3 HOURS	MARKS: 100

SECOND OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER:	MS. LIISA INDILENI KANDJIBI
MODERATOR:	MRS. LUCIA TUYENI-KELAO KAFIDI

INSTRUCTIONS
<ol style="list-style-type: none">1. Answer all the questions.2. Please write legibly and clearly3. Clearly indicate your answers alongside their corresponding question numbers4. Use blue or black ink for all written responses.5. No books, notes and other additional aids are allowed

PERMISSIBLE MATERIALS

1. Calculator
2. Examination paper
3. Examination script

**THIS QUESTION PAPER CONSISTS OF 1 PAGE
(Excluding This Front Page)**

Question 1

- 1.1 Explain the process of chewing the cud. [4]
1.2 Explain how to estimate cattle age by their teeth. [5]
1.3 What are the disadvantages of farming with Brahman cattle for beef production? [5]
[14]

Question 2

- 2.1 Explain the functional anatomy of a bull. [4]
2.2 Explain the consistency scores 1, 2, 3, 4, and 5 of the testicles. [5]
2.3 List three different types of mastitis and explain the differences between them. [9]
[18]

Question 3

- 3.1 Why is it important to identify cattle? [8]
3.2 Explain the surgical castration process. [10]
3.3 Explain the process of pregnancy examination. [10]
[28]

Question 4

- 4.1 What are the major deficiency symptoms of protein in cattle? [6]
4.2 What will the technician be careful of when inseminating the cow? [8]
4.3 List and explain the four stages of the oestrous cycle. [8]
[22]

Question 5

- 5.1 What types of infections does immune system protect the body from? [4]
5.2 List four poisonous plants that cause liver damage with photosensitization? [4]
5.3 What role do hormones and mineral plays in controlling the oestrous cycle? [10]
[18]

TOTAL [100]