

TAMIBIA UNIVERSITY

OF SCIENCE AND TECHNOLOGY

FACULTY OF HEALTH, APPLIED SCIENCES AND NATURAL RESOURCES

Department of Agriculture and Natural Resources Sciences

QUALIFICATIONS: BACHELOR OF SCIENCE IN AGRICULTURE		
QUALIFICATIONS CODE: 07BAGA	LEVEL: NQF LEVEL 6	
COURSE CODE: SLH611S	COURSE NAME: SUSTAINABLE LARGE RUMINANT HUSBANDRY	
DATE: JUNE 2022	SESSION: JUNE	
DURATION: 3 HOURS	MARKS: 100	

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER		
EXAMINER:	DR. HIMA RANTILLA AMWELE	
MODERATOR:	MRS. LUCIA TUYENI-KELAO KAFIDI	

INSTRUCTIONS

- 1. Answer all questions
- 2. Type clearly and neatly
- 3. Number the answers clearly
- 4. Report all your answers to the correct significant figures

PERMISSIBLE MATERIALS

- 1. Calculator
- 2. Examination paper
- 3. Examination script

THIS QUESTION PAPER CONSISTS OF 2 PAGES (Excluding this front page)

Question 1 1.1 What are the functions of enzymes contained in saliva? 1.2 What is saliva's most important role in the reticulum and rumen? 1.3 What is the estimated amount of saliva a cow produces per day? 1.4 What are the elements contained in the saliva?		(2) (1) (1) (5) [9]		
Question 2 Define the following terms: Ketosis Catalysis Acid-base balance Dystrophy Dermatitis Valence Coenzyme Antioxidant	(1)	(1) (1) (1) (1) (1) (1) (1)		
Question 3 Why it is important to identify cattle?		[8]		
Question 4 When the farmer is scoring the body condition for beef cattle, which parts of the body need to look at?				
Question 5 What is the Bos-indicus cattle breed and give 2 examples?				
Question 6 List the different types of abnormal sperm cells and penis impairments.		[9]		
Question 7 Explain the following terms of dairy management system. ➤ Calving period ➤ Gestation period ➤ Dry period		[6]		
Question 8 Describe how it feels like when a pregnancy examiner palpates uterus horns at the following				
stages of pregnancy? 8.1 Pregnancy at 2 months 8.2 Pregnancy at 3 months		(2) (2) [4]		

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Question 9 9. 1 What are the causes of I	ow conception rate, if the cow undergoes artificial insemi	nation?	
		(5)	
9.2 Why is it preferable to store the bull semen in liquid nitrogen instead of storing it in dry			
alcohol?		(4) [9]	
Question 10		• •	
10.1What is dystocia?		(2)	
10.2 What are the factors aff	fecting calving difficulty?	(4)	
Question 11		[6]	
Give 2 deficiencies of the following	lowing nutrients?	[6]	
Vitamin E Tocophero			
Vitamin C Ascorbic ac	id		
Pyridoxine B6			
Question 12			
Explain the functions of T cel	Is and B cells?	[9]	
Question 13	formation of soul	[4]	
List 2 glands and give one (1)	function of each.	[4]	
Question 14			
What is the impact on heat s each.	tress on reproduction performance of male and female?	Give 3 points [6]	
Total:	[100]		