

### FACULTY OF LIFE SCIENCES

#### DEPARTMENT OF ANIMAL SCIENCE

### BACHELOR OF SCIENCE HONOURS DEGREE IN ANIMAL SCIENCE

#### Pasture and Rangeland Management (LAS 2211)

#### **SEMESTER 2 EXAMINATION**

#### August 2021

Time Allowed:	3 hours
Special Requirements:	None
Examiner's Name:	L. Sebele

#### Instructions to Candidates:

- 1. The paper consists of six questions, answer <u>ALL</u> questions in <u>Section A</u> and <u>ANY TWO</u> in <u>Section B</u>.
- 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

This paper consists of two printed pages including this one.

Copyright: Gwanda State University, 2021

Page 1 of 2

# SECTION A: ANSWER <u>ALL</u> QUESTIONS IN THIS SECTION

# Question 1

	0]	
Question 3		
<ul> <li>a) There are two major approaches used to determine carrying capacity. Describe them, their assumptions and short comings. [10]</li> <li>b) Explain why in the grasslands and savannas of the more arid regions, High Performance Grazing might perform better than High Utilisation Grazing. [10]</li> <li>SECTION P: ANSWER ANY TWO OUESTIONS IN THIS SECTION</li> </ul>	e	
SECTION B: ANSWER ANY <u>TWO</u> QUESTIONS IN THIS SECTION Question 4		
<ul> <li>a) Outline the objectives for carrying out veld condition assessments?</li> <li>b) Describe how you would use the benchmark method to assess a grassland.</li> <li>Question 5</li> </ul>	6] 4]	
<ul> <li>a) Outline the characteristics of a well prepared piece of land.</li> <li>b) Describe in detail the two classifications of rests in line with veld management.</li> </ul>	6] 4]	
Question 6		
Outline the steps in hay making, stating the advantages and disadvantages of using hay as feed in the lean season. [20]	0]	
Question 7		
Describe ways through which plants cope with herbivory. [20	0]	

## END OF EXAMINATION

Page **2** of **2**