

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

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

Question 1

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

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