



1ST SEM. 2009/2010

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**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

**PROGRAMME: BACHELOR OF SCIENCE IN
ANIMAL SCIENCE IV**

COURSE CODE: APH 402

TITLE OF PAPER: BEEF PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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GRANTED BY THE CHIEF INVIGILATOR.**



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QUESTION 1

Discuss the major differences in beef cattle management and productivity between Swazi Nation Land cattle and commercial ranching. (25 marks)

QUESTION 2

a) List and discuss four methods that can be used to promote even utilization of the pasture by grazing beef cattle in a ranch. (15 marks)

b) Suppose you are a manager of a beef cattle ranch, explain situations that would require you to deviate from the normal ratio of 1 bull to 30 cows. (10 marks)

QUESTION 3

Discuss the key aspects of establishing a feedlot including the planning and designing of the structure. (25 marks)

QUESTIONS 4

A ranch owner wants to know the best marketing alternative from among the following:

- i) selling Weaners
- ii) selling yearlings
- iii) selling finished cattle.

Explain situations/conditions that would favour selling at each of the above stages. (25 marks)

QUESTION 5.

Outline the management program for breeding cows from one breeding season to the next. Highlight the timing of major activities involved in this management program. (25 marks)