



**1<sup>st</sup> SEM. 2005/2006**

**PAGE 1 OF 2**

**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

**PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURE:  
APH OPTION YEAR 5 AND BACHELOR OF SCIENCE IN  
AGRICULTURE EDUCATION YEAR 5.**

**COURSE CODE: APH 501**

**TITLE OF PAPER: BEEF PRODUCTION**

**TIME ALLOWED: TWO (2) HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN  
GRANTED BY THE CHIEF INVIGILATOR.**

**QUESTION 1**

- a) What environmental concerns are important when planning the location and design of a feedlot? (15 marks)
- b) What are the critical areas of a feedlot operation should a feedlot manager monitor in order to ensure the profitability of the feedlot? (10 marks)

**QUESTION 2**

Government ranches have had a mixed (positive and negative) impact on beef cattle production in Swaziland. Discuss what you consider positive and negative elements of government ranches. (25 marks)

**QUESTION 3**

What are the major differences between intensive and extensive beef cattle production systems? (25 marks)

**QUESTION 4**

Imagine you had applied for a bank loan to buy land to use for rearing cattle. Give a detailed account on how you would establish a commercial ranch using the bank loan. (25 marks)

**QUESTION 5**

- a) List and discuss 4 methods that can be used to promote even utilization of the pasture by grazing beef cattle in a ranch. (15 marks)
- b) What are the traits of economic importance for the following segments of the beef industry and how do these traits contribute to the profitability of these segments?
- i) Feedlot (3 marks)
  - ii) Commercial ranching. (3 marks)
  - iii) Purebred breeders. (4 marks)