

**UNIVERSITY OF SWAZILAND**  
**FACULTY OF AGRICULTURE**

**DEPARTMENT: ANIMAL PRODUCTION AND HEALTH**

**FIRST SEMESTER EXAMINATIONS: 2004/2005**

**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**

What are the major limitations to beef cattle production in Swaziland. Discuss four constraints and how they affect cattle production. (25 marks)

**QUESTION 2**

Inbreeding and crossbreeding play a major role in beef cattle production. Briefly highlight the contribution of inbreeding and crossbreeding in beef cattle production. (25 marks)

**QUESTION 3**

Discuss pasture management in relation to nutrient requirement for different classes of beef cattle in a ranch. (25 marks)

**QUESTION 4**

A large percentage of the cattle population in Swaziland is reared on Swazi Nation Land (SNL) under communal grazing. Under SNL animal husbandry skills are lacking and there is serious overgrazing.

In your opinion, how can the traditional system on SNL be changed to a commercial system where beef cattle production is drastically improved? (25 marks)

**QUESTION 5**

Pick any three common diseases in Swaziland. Highlight their economic impact on cattle production. Discuss how you would design a herd health programme to prevent, control and treat the 3 diseases. (25 marks)

**QUESTION 6**

You have been asked to give a lecture titled "Key Aspects of Ranch Management For High Productivity" to ranch managers. Give a brief account of your lecture, include the key issues involved in ranch management. (25 marks).