

1ST SEM. 2010/2011



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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY 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

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

QUESTION 1

Beef cattle fattening in Swaziland can be divided into two types: pasture fattening and pen (feedlot) fattening.

What are the major differences between the two fattening systems.

(25 marks)

QUESTION 2

The economic contribution of livestock to the nation Gross Domestic Product is very low. The major reason for the low livestock contribution to the economy is that over 80% of livestock are kept on Swazi Nation Land (SNL) under traditional management. Discuss how livestock management on SNL affect beef cattle productivity.

(25 marks)

QUESTION 3

a) Discuss the selection of breeding stock (heifers and bulls).

b) Describe the records utilized in selection of breeding stock and what they measure.

c) What are the key management aspects that are critical to the development of breeding stock?

(25 marks)

QUESTION 4

a) What are the major traits of economic importance in beef cattle production.

b) How do these traits contribute to the profitability of a beef cattle production enterprise?

(25 marks)

QUESTION 5

Discuss the positive and negative aspects of creep feeding of calves in beef cattle production.

(25 marks)