



1ST SEM. 2010/2011

PAGE 1 OF 3

**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

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

QUESTION 1

The government of Swaziland through the Ministry of Agriculture has played a significant role in livestock development in the country. However, over time some livestock projects by the government had a negative effect on the beef cattle industry. Discuss 3 beef cattle projects by the government that no longer contribute to the improvement of the beef industry.

(25 marks)

QUESTION 2

a) Highlight the economic importance of 3 beef cattle diseases in Swaziland.

b) Discuss how you would design a herd health programme to prevent, control and treat the 3 diseases include major symptoms of the diseases.

(25 marks)

QUESTION 3

In beef cattle production, the single most important factor affecting profitability is calving rate. In detail explain as a ranch manager how you can ensure that high calving rate is attained.

(25 marks)

QUESTIONS 4

There are two major considerations when somebody wants to start a feedlot business:

- i) environmental concern, and
- ii) profitability of the business. Discuss both considerations and how you would address them.

(25 marks)

QUESTION 5.

Discuss the role played by the following in the beef cattle industry.

- a) breed associations (10 marks)
- b) farmer's associations (10 marks)
- c) livestock development plan. (5 marks)