



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 INVIGILATOR**

QUESTION 1

Discuss traits of economic importance in beef cattle production and how these traits are measured. (25 marks)

QUESTION 2

What are the key aspects in establishing a feedlot and how would you monitor whether or not the operation is profitable? (25 marks)

QUESTION 3

When managing beef cattle there are periods when nutrient requirements of different classes of beef cattle are critical. Highlight these critical periods for different classes of beef cattle and explain why nutrient requirements have to be met. (25 marks)

QUESTION 4

In order to maximize future cattle production to meet world food needs animal scientists must have a good working relationship with Animal Welfare Societies. Comment on the above statement. (25 marks)

QUESTION 5

- a) Diseases are a major concern to the beef cattle industry. What are the possible losses that disease can cause to the industry. (10 marks)
- b) Pick any 3 diseases and give symptoms, causes, prevention and treatment actions for each. (15 marks)