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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATIONS

**PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURE YEAR 5
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

Discuss government projects (programmes) that are aimed at improving the beef industry in Swaziland. In your opinion do you think that these projects have an impact on the industry. (25 marks)

QUESTION 2

A farmer intends establishing a feedlot. The farmer has approached you on key aspects of this project. Give a detailed account of environmental considerations when designing and planning the feedlot. What are the major requirements when establishing a feedlot? (25 marks)

QUESTION 3

Write short notes on the following topics:

- i) rural saleyards (8 marks)
- ii) calving difficulty (10 marks)
- iii) traits of economic importance in beef cattle production. (7 marks)

QUESTION 4

Discuss the selection of breeding stock (heifers and bulls). What are the key management aspects that are critical to the development of breeding stock? (25 marks)

QUESTION 5

Have the animal welfare movements been beneficial or harmful to the livestock industry in general? Justify your answer. (25 marks)

QUESTION 6

Discuss major differences in beef cattle management and productivity between pastoralism and modern ranching. (25 marks)