



UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN
AGRICULTURAL EDUCATION YEAR 5

COURSE CODE: APH 501

TITLE OF PAPER: BEEF PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS.

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GRANTED BY THE INVIGILATOR**

QUESTION 1

Over eighty percent (80% of the cattle population in Swaziland is raised under Swazi Nation Land (S.N.L).

Commercialization of beef cattle production under this land tenure system is almost impossible. Assuming that you agree with above statements, explain why commercialization would be difficult on S.N.L. (25 marks)

QUESTION 2

Improvement in beef cattle productivity is largely dependent on the quality of replacement heifers and breeding bulls. Discuss the criteria for selection of replacement heifers and breeding bulls. (25 marks)

QUESTION 3

What are the major differences between intensive and extensive beef cattle production systems? (25 marks)

QUESTION 4

Inbreeding and crossbreeding are both essential for the improvement of beef cattle productivity in any country. Discuss the role played by each of the above breeding systems in beef cattle production. (25 marks)

QUESTION 5

- a) Artificial insemination is seldomly used in beef cattle ranches. Why is artificial insemination use limited in beef cattle breeding? (15 marks)
- b) What are the causes of calving difficulty in beef cattle? (10 marks)