



1ST SEM. 2008/2009

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: DIPLOMA IN AGRICULTURE AND IN
AGRICULTURAL EDUCATION III
(OLD)**

COURSE CODE: APH 304

TITLE OF PAPER: LARGE RUMINANT PRODUCTION

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS, AT
LEAST TWO (2) QUESTIONS FROM EACH
SECTION.**

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

SECTION A DAIRY PRODUCTION

Answer two (2) questions from this section.

QUESTION 1.

Compare and contrast the flat rate concentrate feeding system and feeding according to yield (25 Marks)

QUESTION 2

Discuss feeding of dairy calves from birth to weaning (25 Marks)

QUESTION 3

Write short notes about:

- a) Methylene blue test (8 Marks)
- b) Milk adulteration (7 Marks)
- c) Antibiotics residues in milk (10 Marks)

SECTION B BEEF PRODUCTION

Answer two (2) questions from this section.

QUESTION 4

The high stocking rate on Swazi Nation land (SNL) has a negative effect on beef cattle productivity. Discuss the negative effects and how they affect beef cattle production on SNL. (25 marks)

QUESTION 5

What are the major functions of government ranches and how efficient are these ranches in performing their functions.

(25 marks)

QUESTION 6

Promotion of livestock marketing especially beef cattle has always been the government's priority. Why do you think that beef cattle marketing is important? What are some of the projects that the government has in place to promote beef cattle marketing.

(25 marks)