



1ST SEM. 2007/2008

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: DIPLOMA IN AGRICULTURE AND IN
AGRICULTURAL EDUCATION III**

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.**

**THIS PAPER MAY NOT BE OPENED UNTIL THE CHIEF
INVIGILATOR HAS GRANTED PERMISSION.**

SECTION A DAIRY PRODUCTION

Answer two (2) questions from this section.

QUESTION 1

Discuss dairy calf feeding from birth to weaning.

(25 Marks)

QUESTION 2

Write short notes about:

- a) Environmental mastitis
- b) Milk fever
- c) Robot milking

(8 Marks)

(10 Marks)

(7 Marks)

QUESTION 3

- a) Outline the position of the dairy cow in the zoological scheme.
- b) Discuss 5 factors that should be taken into consideration when selecting a dairy breed.

(10 Marks)

(15 Marks)

SECTION B BEEF PRODUCTION

Answer two (2) questions from this section.

QUESTION 4

Discuss three (3) major factors that limit beef production on Swazi Nation Land

(25 Marks)

QUESTION 5

Write short notes on the following:

- a) Government breeding ranches **(8 Marks)**
- b) Carcass and live cattle evaluation **(10 Marks)**
- c) Internal beef cattle marketing **(7 Marks)**

QUESTION 6

A farmer wants to cross the Brahman breed with the Simmental breed, however, he is not sure about benefits and possible problems of this crossing. What would be your advice to him?

(25 Marks)