



1ST SEM. 2007/2008

UNIVERSITY OF SWAZILAND
SUPPLEMENTARY 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 the role of oxytocin and epinephrin in milk let down **(25 Marks)**

QUESTIONS 2

Write short notes about:

- a) Buffer feeding **(10 Marks)**
- b) Milking parlour systems **(15 Marks)**

QUESTION 3

Discuss management of dairy heifers **(25 Marks)**

SECTUION B BEEF PRODUCTION

Answer two (2) questions from this section.

QUESTION 4

Discuss breeding herd management in beef production **(25 Marks)**

QUESTION 5

- a) Explain the slaughtering and dressing of cattle in a slaughter house facility **(20 Marks)**
- b) List some of the by-products from slaughtering and dressing of cattle **(5 Marks)**

QUESTION 6

What are the three types of government ranches and how are their functions different?

(25 Marks)