



1ST SEM. 2006/2007

**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.**

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**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**

Write short notes about:

- a) Summer mastitis (9 Marks)
- b) Milk adulteration at the farm level (8 Marks)
- c) Buffer feeding (8 Marks)

QUESTIONS 2

Compare and contrast the flat rate system of feeding concentrates and the feeding according to yield system in dairy production. (25 Marks)

QUESTION 3

Discuss the improvements and benefits of milking systems innovations (25 Marks)

SECTION B BEEF PRODUCTION**Answer two (2) questions from this section.****QUESTION 4**

What are the functions of government ranches? How effective are these ranches in performing their functions? (25 marks)

QUESTION 5

Discuss 5 major problems affecting beef cattle production in Swaziland and suggest ways of solving these problems in order to improve cattle productivity. (25 marks)

QUESTION 6

What are the 3 types of slaughter facilities in Swaziland? (6 marks)

What are the basic requirements for a slaughter facility and why are these requirements important? (19 marks)