

UNIVERSITY OF SWAZILAND

FACULTY OF AGRICULTURE

DEPARTMENT: ANIMAL PRODUCTION AND HEALTH

FIRST SEMESTER EXAMINATIONS: 2004/2005

**DIPLOMA IN AGRICULTURE YEAR 3
DIPLOMA IN AGRICULTURAL EDUCATION YEAR 3**

COURSE CODE: APH 304

TITLE OF PAPER: LARGE RUMINANT PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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

SECTION A: DAIRY PRODUCTION**QUESTION 1**

Give an account of the role dairy production plays in the economy of Southern African countries. (25 marks)

QUESTION 2

Using examples, give an account of the desired characteristics of dairy cattle breeds. (25 marks)

QUESTION 3

Describe how dairy heifers are managed from birth to when they are mated for the first time. (25 marks)

SECTION B: BEEF PRODUCTION**QUESTION 4**

Discuss 5 production problems caused by the harsh conditions found in the tropical regions of Africa. (25 marks)

QUESTION 5

Write short notes on the following:

- a) rural sale yards (5 marks)
- b) data processing unit. (5 marks)
- c) Sisa ranches. (5 marks)
- d) government breeding ranches. (5 marks)
- e) beef cattle evaluation (carcass and live cattle). (5 marks)

QUESTION 6

Discuss the inspection and grading processes that are done in slaughter facilities to ensure that the meat meets public health standards. (25 marks)