



2ND SEM. 2009/2010

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN
 AGRICULTURAL ECONOMICS AND
 AGRIBUSINESS MANAGEMENT II
 AND BACHELOR OF SCIENCE IN
 AGRICULTURAL EDUCATION II**

COURSE CODE: AS 208

TITLE OF PAPER: RUMINANT ANIMAL PRODUCTION

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS.
 ANSWER AT LEAST ONE(1) QUESTION
 FROM EACH SECTION.**

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

SECTION A: BEEF PRODUCTION

Question 1

Discuss the difference in beef cattle management and productivity between Swazi Nation Land (SNL) and commercial ranches. (25 marks)

Question 2

Explain why inbreeding and crossbreeding are important in beef cattle production. (25 marks)

SECTION B: DAIRY PRODUCTION

Question 3

Write short notes about the following:

- a) Milk fever (8 marks)
- b) Contagious Mastitis (8 marks)
- c) Antibiotic residues in milk (9 marks)

Question 4

Discuss the characteristics of the Guernsey and the Ayrshire dairy breeds and explain which breed you may recommend for Swaziland. (25 marks)

SECTION 3 : GOAT AND SHEEP PRODUCTION**Question 5**

A farmer in the Lowveld of Swaziland got a donation from World Vision of E4,000 to start up a livestock enterprise. The farmer is not sure whether to invest the money in goat production or cattle production and he approaches you for advice.

Discuss why you would recommend to the farmer that he invests his money on meat goat production than on beef animal production.

(25 marks)

Question 6

Discuss how you would feed does during their different reproductive stages.

(25 marks)