



1ST SEM. 2014/2015

**UNIVERSITY OF SWAZILAND
SUPPLEMENTARY EXAMINATION PAPER**

**PROGRAMME: B.Sc. AGRICULTURAL ECONOMICS AND AGRIBUSINESS
MANAGEMENT YEAR 2
B.Sc. AGRICULTURAL EDUCATION YEAR 2**

COURSE CODE: AS 208

TITLE OF PAPER: RUMINANT ANIMAL PRODUCTION

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS, WITH AT LEAST ONE
(1) QUESTION FROM EACH SECTION.
YOU NEED THREE BOOKLETS FOR THIS EXAMINATION
SINCE EACH SECTION MUST BE WRITTEN IN A
SEPARATE BOOKLET.**

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

SECTION A**BEEF PRODUCTION****QUESTION 1**

What are the major differences in beef cattle performance between Swazi Nation Land and Title Deed Land? Explain the causes of the difference in performance.

(25 Marks)**QUESTION 2**

Discuss five beef cattle production problems caused by the harsh environmental conditions in the tropical regions of Southern Africa.

(25 Marks)**SECTION B****DAIRY PRODUCTION****QUESTION 3**

Compare and contrast dairy production in the developing world to that of the developed countries.

(25 Marks)**QUESTION 4**

Write notes about the following:

- a) Antibiotics in consumer milk
- b) Milk hold-up
- c) Dry period and steaming up

(10 Marks)**(7 Marks)****(8 Marks)****SECTION C****GOAT AND SHEEP PRODUCTION****QUESTION 5**

Highlight the importance of goat and sheep production in Swaziland.

(25 Marks)

QUESTION 6

(a) Give seven signs that can help a goat farmer decide whether or not to mate the doe.

(10 Marks)

(b) Discuss Foot rot disease in goats.

(15 Marks)