



2nd SEM 2011/2012

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

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

COURSE CODE: AS 208

TITLE OF PAPER: RUMINANT ANIMAL PRODUCTION

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS, AT EAST
 ONE(1) QUESTION FROM EACH SECTION**

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GRANTED BY THE CHIEF INVIGILATOR.**

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

The government ranches were established to promote beef cattle production in the country. Discuss how these different types of government ranches improve beef cattle production.
(25 marks)

QUESTION 2

What are the major differences in beef cattle management between Swazi Nation Land (SNL) and Title Deed Land (TDL)?

(25 marks)

SECTION B.**DAIRY PRODUCTION****QUESTION 3**

Write short notes on the following:

- a) Milk fever (8 marks)
- b) Milk let down (10 marks)
- c) Somatic cell counts in milk (7 marks)

QUESTION 4

Feeding lactating dairy cattle is still a serious problem faced by small scale dairy farmers on Swazi Nation Land. Elaborate on this problem and outline mitigation strategies that you can recommend

(25 marks)

SECTION C**GOAT AND SHEEP PRODUCTION****QUESTION 5**

The country having realised several good qualities of goat's milk, is encouraging farmers to produce and drink goat's milk. Describe the characteristics and qualities of the:

- (i) Toggenburg and
- (ii) Saanen breeds to a potential dairy goat farmer. (25 marks)

QUESTION 6

- a) What is condition scoring? (5 marks)
- b) Briefly discuss the importance of condition scoring in goat and sheep management. (10 marks)