



**2<sup>nd</sup> SEM 2015/2016**

**PAGE 1 OF 3**

**UNIVERSITY OF SWAZILAND**

**FINAL 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**

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

## SECTION A BEEF PRODUCTION

### QUESTION 1

- a) Discuss the need for and the location of the following beef cattle facilities: spray race, weighing scale, loading chute, handling facility, and silos.  
(16 Marks)
- b) Describe the direct and indirect effects of the tropical environment on beef cattle production.  
(9 Marks)

### QUESTION 2

Beef production over the years has consistently been lower on Swazi Nation Land (SNL) compared with the Title Deed Land (TDL). What four (4) major factors contribute to lower beef cattle production on SNL?  
(25 Marks)

## SECTION B DAIRY PRODUCTION

### QUESTION 3

Write short notes on the following:

- a) The process and stimulation of milk let down. (15 Marks)
- b) Mastitis control. (10 Marks)

### QUESTION 4

Briefly discuss the problems faced by the Swaziland dairy industry and the relevant corrective measures  
(25 Marks)

## SECTION C GOAT AND SHEEP PRODUCTION

### QUESTION 5

Name and explain any twenty five (25) advantages of goat farming. (25 Marks)

**QUESTION 6**

Discuss the important traits of sheep used in the selection and judging of this species for fine wool production.  
(25 Marks)