



1ST SEM. 2009/2010

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

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

COURSE CODE:

TITLE OF PAPER: AS 208

TIME ALLOWED: RUMINANT ANIMAL PRODUCTION

INSTRUCTIONS: TWO (2) HOURS

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

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

Describe the steps involved in slaughtering beef cattle and include the inspection that is undertaken in abattoirs.

(25 marks)

QUESTION 2

What are the major problems that affect beef cattle production on Swaziland Nation Land (SNL).

(25 marks)

SECTION B.**DAIRY PRODUCTION****QUESTION 1**

Discuss four different types of milking parlour systems and state which system you would recommend for your country giving justifications.

(25 marks)

QUESTION 2

Briefly discuss the roles of the following hormones in milk production.

- a. Prolactin (6 marks)
- b. Epinephrin (8 marks)
- c. Oxytocin (11 marks)

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

Choice of a ram/buck is one of the important management practices in small ruminant production. Using appearance, explain how a farmer can choose a buck/ram for breeding purposes.

(25 marks)

QUESTION 6

a) Discuss the following diseases of sheep and goats:

i) Joint illness

(12 marks)

ii) Blue tongue

(13 marks)

OR

b) Describe the characteristics and qualities of the

i) Toggenburg and

ii) Saanen breeds to a potential dairy goat farmer.

(25 marks)