



1ST SEM. 2013/2014

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**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

**PROGRAMME: BS.c. AGRICULTURAL ECONOMICS AND AGRIBUSINESS
MANAGEMENT YEAR 2
BS.c. AGRICULTURAL EDUCATION YEAR 2**

TITLE OF PAPER: RUMINANT ANIMAL PRODUCTION

COURSE CODE: AS 208

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

Describe the major functions of government ranches; how efficient are these ranches in performing their functions?

(25 Mark)

QUESTION 2

Discuss the need for and the location of the following beef cattle facilities: loading chute, weighing scale, spray race, handling facility, silos and cattle truck.

(25 Marks)

SECTION B

DAIRY PRODUCTION

QUESTION 3

Describe and illustrate the internal and external anatomy of a dairy cow's udder.

(25 Marks)

QUESTION 4

Briefly discuss three major husbandry techniques that may be carried out on growing female or male dairy animals.

(25 Marks)

SECTION C

GOAT AND SHEEP PRODUCTION

QUESTION 5

Lax management can lead to high kid mortality during the first two weeks of life.

Explain fully how a farmer can take care of his/her kids for a profitable operation.

(25 Marks)

QUESTION 6

A buck directly affects the overall fertility of the goat herd. Explain fully how a farmer is expected to take care of his/her buck before and during mating.

(25 Marks)