



MERU UNIVERSITY COLLEGE OF SCIENCE & TECHNOLOGY

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University Examinations 2011/2012

SECOND YEAR, SECOND SEMESTER EXAMINATIONS FOR CERTIFICATE IN
AGRICULTURE

ANS 0130: RUMINANT HUSBANDRY

DATE: APRIL 2012

TIME: 1½ HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

- a. Giving examples classify farm animals on the type of digestive system. Mention the relative percentage occupied by each compartment (8 Marks)
- b. Discuss the factors that affect ruminant production in Kenya (7 Marks)
- c. Feeding is an important practice in the maintenance of good health and production of animals. Highlight the feeding regime for a dairy calf for the first two weeks of life and that of an in-calf heifer for the last two months before calving. (8 Marks)
- d. Disease control is essential to the production and health of all animals. Discuss the control measures of any three diseases and three pests that affect ruminant farm animals under Kenyan conditions (7 Marks)

QUESTION TWO (15 MARKS)

- a. Differentiate between:
 - i. Topping and flushing
 - ii. Lambing and kidding
 - iii. Doe and Ewe (8 Marks)
- b. What is colostrum? What is the significance of this product in the health and nutrition of young ruminants? (7 Marks)

QUESTION THREE (15 MARKS)

Describe a dairy, beef and mutton/chevon production system. Mention the value added products in each system. (15 Marks)

QUESTION FOUR (15MARKS)

Describe the peculiar characteristics of any three of the following, breeds of ruminant animals:

Aryshire, Jersey, Boran, Doper, Saanen, Toggen burg, Somali camel, Merino sheep

(15 Marks)

QUESTION FIVE (15 MARKS)

Discuss the following livestock products and mention their contribution to Kenyas Gross Domestic product.

(15 Marks)