



**MERU UNIVERSITY COLLEGE
OF SCIENCE & TECHNOLOGY**

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University Examinations 2011/2012

FIRST YEAR, SECOND SEMESTER EXAMINATION FOR CERTIFICATE IN
AGRICULTURE

ANS 0130: RUMINANT HUSBANDRY

DATE: DECEMBER 2011

TIME: 1½ HOURS

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

QUESTION ONE – (30 MARKS)

- (a) What do you understand by the term ruminant? (5 Marks)
- (b) Name any:
- (i) 5 dairy cattle breeds
 - (ii) 5 beef cattle breeds
 - (iii) 5 goat breeds
 - (iv) 5 sheep breeds (10 Marks)
- (c) Feeding is key to the well being and production of all animals. Highlight the feeding regime of a dairy calf from day 1 up to weaning at 3 months. (10 Marks)
- (d) Disease control is critical to the health and production of farm animals. Discuss any three diseases and two pests that are critical to production and health of farm ruminant animals. (5 Marks)

QUESTION TWO – (15 MARKS)

Compare and contrast the characteristics of sheep and goats in terms of function, milk production, properties in milk, diseases, nutrition and body characteristics. (15 Marks)

QUESTION THREE – (15 MARKS)

Discuss the factors affecting ruminant production in Kenya. What is the potential for ruminant development in Kenya? (15 Marks)

QUESTION FOUR – (15 MARKS)

Define the following terms/terms used in ruminant husbandry:

- (a) Flushing
- (b) Lambing
- (c) Topping
- (d) Ewe
- (e) Doe
- (f) Dam
- (g) Sire
- (h) Calving
- (i) Kidding
- (j) Ram

(15 Marks)

QUESTION FIVE – (15 MARKS)

Discuss any three livestock products and their contribution to the Kenyan Gross Domestic product.

(15 Marks)