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University Examinations 2013/2014

FIRST YEAR, SECOND SEMESTER EXAMINATION FOR CERTIFICATE/DIPLOMA IN
AGRICULTURE

ANS 0130 – RUMINANT HUSBANDRY

DATE: DECEMBER 2013

TIME: 1 $\frac{1}{2}$ HOURS

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

QUESTION ONE – 30 MARKS

- (a) Distinguish between a ruminant and a non ruminant. (5Marks)
- (b) List the four compartments of the ruminant stomach and describe their characteristics. (8Marks)
- (c) List four common dairy cattle breeds in Kenya and explain why two of them are particularly popular to farmers and also indicate their origin. (5Marks)
- (d) Feeding is important in maintaining good health and production of animals. Discuss the feeding regime of a calf from day one to weaning. (10Marks)
- (e) Disease control is critical to health and production of animals. Differentiate between foot rot and foot and mouth disease. (2Marks)

QUESTION TWO – 15 MARKS

- (a) What are the signs of approaching lambing? (5Marks)
- (b) What should a farmer consider in the management of a lamb/kid? (5Marks)
- (c) Describe a creep diet that is given to lamb/kid. (5Marks)

QUESTION THREE – 15 MARKS

- (a) What is the mating ratio allowed in cattle? (2Marks)
- (b) List the heat signs in a heifer/cow (5Marks)
- (c) Describe the measures that a dairy farmer should take for effective management of a breeding bull. (8Marks)

QUESTION FOUR – 15 MARKS

- (a) Define fodder conservation. (5marks)
- (b) Describe the two common fodder conservation methods commonly used by farmers. (10Marks)

QUESTION FIVE – 15 MARKS

- (a) Give the reasons why housing is needed for dairy goats. (5Marks)
- (b) What are the essential conditions to be considered in the construction of a goat house? (10Marks)