

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF CERTIFICATE IN ANIMAL HEALTH AND PRODUCTION

ANSC 00250: RUMINANT PRODUCTION SYSTEMS

STREAMS: Y2S2

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 4/12/2019

2.30 P.M – 4.30 P.M

INSTRUCTIONS

Answer ALL questions in section A and two in section B

SECTION A (40 MARKS)

1. Dairy farming is an important agricultural activity in the realization of Kenya's development goal of increasing livestock productivity.
 - (a) Define the term milk. [3 marks]
 - (b) List two reasons why cattle are preferred as dairy animals. [2 marks]
 - (c) Briefly explain why keeping dairy cattle is important. [5 marks]
 - (d) Give five reasons why Friesian breed of dairy cattle is popular with small holder dairy farmers. [5 marks]
 - (e) Enumerate five factors determining clean milk production. [5 marks]
2. Why it is important for a farmer to ensure that a new born animal feeds in colostrum? [4 marks]
3. Citing two examples in each, give three groups of feeds fed to ruminant animals. [5 marks]
4. List four reasons why it is not advisable to buy hawked milk. [4 marks]
5. State the general signs of heat in an animal. [4 marks]

6. Briefly explain the benefits of steaming up. [3 marks]

SECTION B (30 MARKS)

7. (a) Beef cattle farming is an important economic activity especially for farmers living in the marginal areas of the country. Discuss five problems of the extensive beef production system. [5 marks]
- (b) Describe the typical signs of parasitism in shoats. [10 marks]
8. (a) Discuss five reasons small ruminant farming is rapidly gaining popularity amongst livestock farmers in many parts of Kenya. [10 marks]
- (b) Explain why it is important to provide sheep with shelter. [5 marks]
9. (a) Describe the criteria used in judging wool quality. [5 marks]
- (b) You have been invited to attend a farmers training workshop as an animal health and production expert. Advise the farmers on the benefits they may enjoy when they register their livestock with the Kenya stud book. [10 marks]
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