

University Examinations 2010/2011

FIRST YEAR, SECOND SEMESTER EXAMINATIONS FOR CERTIFICATE IN AGRICULTURE

ANS 0130: RUMINANT HUSBANDRY

DATE: APRIL 2011

TIME: 1¹/₂ HOURS

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

QUESTION ONE – (30 MARKS)

(a) (i) Define the term 'Total mixed ration'	(2 Marks)	
(ii) What are the limitations of total mixed ration?	(2 Marks)	
(iii) Describe the factors that should be considered when feeding and man	naging Heifers.	
	(6 Marks)	
(b) (i) What are the advantages of keeping small ruminants?	(5 Marks)	
(ii) Highlight the factors affecting fertility in small ruminants.	(5 Marks)	
(c) (i) Name three types of systems of beef production	(3 Marks)	
(ii) Distinguish the above named types of beef production.	(7 Marks)	
QUESTION TWO – (20 MARKS)		
(a) Describe the distinguishing features of common dairy cows.	(10 Marks)	
(b) What are the importance of dairy sector in Kenya?	(5 Marks)	
QUESTION THREE – (15 MARKS)		
(a) Discuss the following subheadings in relation to small ruminants production:		
(i) Sexual maturity in small ruminants.	(5 Marks)	
(ii) Classing	(5 Marks)	
(iii) Flushing	(5 Marks)	

QUESTION FOUR – (15 Marks)

(a) Briefly	describe the indicators of a well managed beef ranch.	(10 Marks)
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(b) Outline the factors that affect beef production in Kenya. (5 Marks)

QUESTION FIVE – (15 MARKS)

- (a) Briefly discuss the factors affecting pasture utilization in small ruminants. (8 Marks)
- (b) Highlights environmental factors that affect milk production in dairy sector.

(7 Marks)