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EMBU UNIVERSITY COLLEGE
(A CONSTITUENT COLLEGE OF THE UNIVERSITY OF NAIROBI)

SECOND SEMESTER EXAMINATIONS 2013/2014

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF SCIENCE IN AGRICULTURE,
BACHELOR OF SCIENCE MANAGEMENT OF AGRO-ECOSYSTEM AND ENVIRONMENT
AND BACHELOR OF SCIENCE AGRIBUSINESS MANAGEMENT

AAS 201/AEB 207: PRINCIPLES OF ANIMAL PRODUCTION

DATE: APRIL 8, 2014

TIME: 2.00PM – 4.00PM

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions.

QUESTION ONE

1. a) Describe briefly the anatomy of a ruminant animal using a well labeled diagram (5 marks)
- b) Explain the reasons why we should expand ruminant Agriculture. (5 marks)
- c) State the various constraints to beef production (5 marks)
- d) Explain any four factors that affect calf crop (5 marks)
- e) State the various constraints experienced in Dairy production (5 marks)
- f) Explain the various ways of feeding a calf (5 marks)

QUESTION TWO

- i.) Calculate the percentage (%) calf crop in a farm at Embu University College whose Number of calves weaned in the year 2011 was 250 and the number of cows bred in The year 2010 was 300 (**show your formula and working**) (10 marks)
- ii.) Explain what the productivity is and how is it expressed in the above farm when % calf crop is 85% and average weaning weight is 100 kilograms? (5 marks)
- iii.) Distinguish between stud herd and commercial herd (5 marks)

QUESTION THREE

Describe illustrating the beef cattle calendar with a well labeled diagram (20 marks)

QUESTION FOUR

Describe the steps the Kenya government is taking to improve beef production (20 marks)

QUESTION FIVE

Explain the factors influencing grazing pressure in animal production (20 marks)

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