MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2013/2014

FIRST YEAR FIRST SEMESTR EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT AND AGRICULTURAL ECONOMICS WITH INFORMATION TECHNOLOGY

(MAIN CAMPUS)

AAB 104: PRINCIPLES OF ANIMAL PRODUCTION

Date: 25th November, 2013 *Time: 8.30 - 10.30 a.m.*

INSTRUCTIONS:

- **Answer ALL questions.**

Duration: 2 Hrs
Answer ALL Questions

SECTION A: 40 MARKS

1. List the two basis of classifying digestive systems of livestock and in each briefly explain the classes (7 Marks)
2. Complete the table below by stating the site of production and function of the following female reproductive hormones (10 marks)

Hormone	Site of production	Function(s)
FSH (Follical Stimulating Hormone)		
Oestrogen		
LH (Lutenizing Hormone)		
Progesterone		
Oxytocin		

3. Using a relevant example, define a livestock production system giving the merits and demerits of the example given (7 marks).
4. List the reproductive technologies that can be used to enhance the rate of dissemination of superior genes in the population (3 marks)
5. During a visit to Chieng'a farm, students noticed animals identified using tags and their production records also recorded. Briefly explain the importance of livestock identification, registration and performance recording exercise on the farm (5 marks)
6. A farmer interested in dairy goat production seeks information on which system of production she should adopt. State and briefly explain how production resources are an important factor to consider in her choice of a desirable production system (8 marks).

SECTION B: 30 MARKS

7. Discuss the suitability of keeping the Small East African Zebu and the Holstein Friesian on a smallholder farm (15 marks).
8. Explain why early lactation is an important phase in feeding dairy animals and discuss the strategies a farmer would employ to meet the nutritional requirements of their high producing dairy cows in early lactation (15 marks)