



# **SOUTH EASTERN KENYA UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2016/2017**

### **SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN DRYLAND ANIMAL SCIENCE**

#### **ANS 301: ANIMAL HOUSING, FARM STRUCTURES AND BIOCLIMATOLOGY**

**DATE: 10<sup>TH</sup> APRIL 2017**

**TIME: 1.30 -3.30 PM**

**Answer all questions in SECTION A and any two (2) in SECTION B.**

#### **SECTION A (30 MARKS)**

- Q1 (i) Explain what is animal welfare (3 Marks)  
(ii) How is animal welfare measured? (3 marks)
- Q2. Differentiate between filial and sexual imprinting (6 Marks)
- Q3. List animal housing microclimate parameters that may affect the productivity of animals (6 Marks)
- Q4. How would farmers obtain behavioural change in their livestock? (6 Marks)
- Q5. List effects of climate change on animals (6 Marks)

#### **SECTION B (40 MARKS)**

- Q6. Discuss how communication occurs in animals (20 Marks)
- Q7. Describe the management decisions livestock farmers make and implement in a heat wave to maintain the productivity of their livestock (20 Marks)
- Q8. Describe the different types of animal behaviours and explain the importance of each (20 Marks)