

### **SOUTH EASTERN KENYA UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2016/2017**

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

ANS 205: PASTURE AND FODDER PRODUCTION AND UTILIZATION

DATE: 13<sup>TH</sup> APRIL 2017 TIME: 1.30 -3.30 PM

#### **INSTRUCTIONS TO CANDIDATES**

- a. Answer ALL questions in SECTION A
- b. Answer any TWO [2] questions in SECTION B

#### **SECTION A [30 MARKS]**

1. Using appropriate examples where possible, define the following terminologies

	a. b. c. d. e.	Pasture Nutrient composition Net energy Palatability Supplements	(2 marks) (2 marks) (2 marks) (2 marks) (2 marks)
2.		sing suitable examples, define the term 'biome'.  Sing suitable examples, define the term 'biome'.  Sing suitable examples, define the term 'biome'.	(2 marks) ction (8 marks)
3.	b. W	lighlight the significance of pasture and forage conservation  Vrite short notes to clearly distinguish the following methods of pasture and forage i. Silage ii. Hay	(2 marks) e conservation (4 marks) (4 marks)

#### **SECTION B [40 MARKS]**

4. a. Define the term 'fodder crops'	(2 marks)
b. Discuss the merits and demerits of the following fodder crops used as livestock feed	
i. Sorghum (Sorghum bicolor)	(6 marks)
ii. Maize (Zea mays)	(6 marks)
iii. Wheat (Triticum aestivum)	(6 marks)

- 5. Discuss any **FOUR** (4) important legumes commonly used as livestock forage in Kenya (20 marks)
- 6. Using specific examples, discuss the contribution of grasses and grasslands to mankind (20 marks)