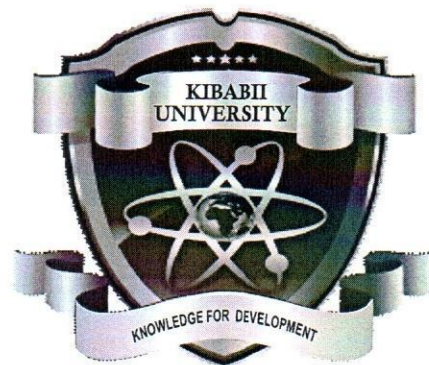


13



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

THIRD YEAR SPECIAL/SUPPLEMENTARY EXAMINATIONS

**FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE
EDUCATION AND EXTENSION**

COURSE CODE: ACR 312/321/SAB 233

COURSE TITLE: PASTURE AND FODDER CROPS

DATE: 10TH JANUARY 2022

TIME: 11 – 1 PM

INSTRUCTIONS TO CANDIDATES

Answer Question ONE and any other TWO Questions.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

Question 1.

- (a) (i) State three objectives of fodder management that will guarantee optimum production and longevity (3 marks)
- (ii) Mention two crop residues that may constitute supplementary diet for ruminants (2 marks)
- (iii) List five legume species commonly used as pasture or fodder in Kenya (5 marks)
- (b) (i) Explain the difference between coordinated and uncoordinated resource use in Kenyan pasturelands (6 marks)
- (ii) List four desirable attributes of cultivated pasture grasses (4 marks)
- (c) (i) Define the term animal unit (AU) (2 marks)
- Given a dairy cow weighing 1000 pounds (454.5 kg) consumes the equivalent of 1AU: -
- (ii) Estimate the animal unit (AU) equivalent of a steer weighing 225 kg (4 marks)
- (iii) Find the estimated weight (kg) of a sheep with an equivalent AU of 0.2 (4 marks)

Question 2.

Discuss the factors contributing to the integration of crops and livestock enterprises in Kenya.

(20 marks)

Question 3.

Explain the significance of the grass family in the livestock production systems in Kenya

(20 marks)

Question 4.

Write exhaustive notes on factors considered in the division of Kenyan pasturelands

(20 marks)

Question 5.

Discuss the merits and demerits of seed and vegetative propagation of pastures in the tropics giving examples.

(20 marks)