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(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

2019/2020 ACADEMIC YEAR

SECOND YEAR SECOND SEMESTER

SPECIAL/SUPPLEMENTARY EXAMINATION

FOR THE DEGREE OF FOR THE DEGREE OF BACHELOR OF
SCIENCE IN AGRICULTURAL ECONOMICS AND RESOURCE
MANAGEMENT, BACHELOR OF SCIENCE IN AGRICULTURE AND
BIOTECHNOLOGY, BACHELOR OF SCIENCE IN AGRICULTURE
EDUCATION AND EXTENSION AND BACHELOR OF EDUCATION
SCIENCE

COURSE CODE: SAB 233

COURSE TITLE: PASTURES AND FODDER CROPS

DATE: 25/01/2021

TIME: 2 HOURS 11-1 PM.

INSTRUCTIONS TO CANDIDATES

Answer Question One in Section A and any other TWO (2) Questions in Section B

TIME: 2 Hours

This Paper Consists of 2 Printed Pages. Please Turn Over.

SECTION A (30mks)

Question 1

- a) What is defoliation (2 mks)
- b) Describe the 'Pull test' as used in identification of pastures and fodder crops (6 mks)
- c) State and explain why study of botany of legumes is important (8 mks)
- d) Describe the process of legume seed inoculation (6 mks)
- e) Describe the advantages of using Rhodes grass (*Chloris gayana*) as a pasture crop (8 mks)

SECTION B (40 mks)

Question 2

- a) Describe how climatic factors affect distribution of pasture grasslands in Kenya (10 mks)
- b) Describe four stages involved in silage making (10 mks)

Question 3

- a) Describe agronomic factors carried out in established pasture and forage crops (10 mks)
- b) i. What is haylage (2 mks)
ii. State and explain factors considered in the use of grazing land (8 mks)

Question Four

- a) Describe the process of hay (10 mks)
- b) State and explain edaphic factors that influence herbage yield (10 mks)

END