



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2019/2020 ACADEMIC YEAR

SECOND AND THIRD YEAR 2ND SEMESTER MAIN EXAMINATION

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

COURSE CODE: ACR 223/SAB 336/SAB 235.
COURSE TITLE: PERENNIAL CROPS

DATE: 15/02/2021.

TIME: 2-4PM.

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

1. (a) Explain how the following ecological factors impact Coffee production in Kenya
(i) Rainfall (ii) Temperature (iii) Altitude (iv) Soil (10 marks)
 - (b) Mention five industrial uses of sisal products (5 marks)
 - (c) Identify five unusual properties of Pyrethrum that have led to its continued demand in the face of competition from synthetic insecticides. (5 marks)
 - (d) Give three bases of crop classification (3 marks)
 - (e) State seven desirable yield and quality characters in a sugarcane breeding program. (7 marks)
2. (a) State and explain the factors that will determine the siting of your crop production enterprise (10 marks)
 - (b) Describe the methods of coffee processing and state the advantages and disadvantages of each method (10 marks)
3. (a) State four characteristics that determine the choice of a coffee variety (cultivar) to be grown (4 marks)
 - (b) Mention three major diseases of Coffee and identify the causative agent (6 marks)
4. (a) Identify two methods of coconut harvesting stating the advantages and disadvantages of each method. (15 marks)
 - (b) Mention five coconut products that are useful in the market. (5 marks)
5. Describe the perennial crops production systems practiced in Kenya stating the advantages and disadvantages (20 marks)