



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017 ACADEMIC YEAR

SECOND YEAR 1ST SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATION

**FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE AND
BIOTECHNOLOGY, BACHELOR OF SCIENCE AGRICULTURE
ECONOMICS AND RESOURCE MANAGEMENT & BACHELOR OF
SCIENCE IN RENEWABLE ENERGY AND BIOFUELS**

COURSE CODE: SAB 230

COURSE TITLE: PRINCIPLES OF CROP HUSBANDRY

DATE: 15TH SEPT. 2017

TIME: 8 AM – 10 AM

INSTRUCTIONS TO CANDIDATES

Answer all Questions 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 

KIBU observes ZERO tolerance to examination cheating

SECTION A = 30 MARKS (Compulsory)

- 1a. Give reasons why the government should emphasize on improving agriculture in Kenya? 5 marks
- b. Briefly outline the effects of individual land ownership to agricultural production in Kenya 5marks
- c. Describe how integrated pest management be applied in the control of *Busiola fusca* in a maize plantation? 10 marks
- d. Giving five different examples, highlight factors that are considered in determining crop maturity for harvest 5 marks
- e. Highlight five contributions of KARLO to the agricultural sector in Kenya 5 marks

SECTION B = 40 MARKS (Attempt any two Questions in this section)

- 2a. Crop pests are a major cause of food loss. Outline measures should be applied to check this? 5 marks
- b. Identify any four disadvantages of early harvesting of crops 4 marks
- c. Briefly explain the importance of solar radiation on crop growth 6 marks
- d. Give five reasons why weeds are considered the enemy of crops 5 marks
- 3a. Discuss history and development of agriculture in Kenya 10 marks
- b. State any five objectives of tillage in crop production 5 marks
- c. Giving reasons, state the considerations given priority for successful crop production in low rainfall regions 5 marks
- 4a. Briefly discuss the challenges facing Kenyan agriculture and farmers 10 marks
- b. Briefly discuss the effect of soil reaction to crop production 6 marks
- c. Give four reasons that make extension services important in agriculture 4 marks

- 5a. State reasons why climate is a dominant factor in determining crops growth and performance 6 marks
- b. Define climate change and give three effects of climate change to agriculture 4 marks
- c. Discuss the cultural practices used in the weed control in crop production 10 marks