



The Co-operative University of Kenya

END OF SEMESTER EXAMINATION DECEMBER-2019

**EXAMINATION FOR THE DEGREE OF BACHELOR OF AGRIBUSINESS
MANAGEMENT**

UNIT CODE: BAFS 2109

UNIT TITLE: PRINCIPLES OF CROP PRODUCTION TECHNOLOGY

DATE: NOVEMBER, 2019

TIME:

INSTRUCTIONS:

- Answer question **ONE (compulsory)** and any other **TWO** questions

QUESTION ONE

- (a) Explain the term cropping system (2 Marks)
- (b) Explain the term cultural practices (2 Marks)
- (c) Distinguish between Contour Strip cropping and Contour farming (4 Marks)
- (d) Describe FIVE desirable crop characters related to Genetic make-up of plants (5 Marks)
- (e) Describe FIVE essential roles played by storage of agricultural produce (5 Marks)
- (f) Discuss THREE advantages and THREE disadvantages of biological pest control (6 Marks)
- (g) Discuss the THREE types of seedbeds commonly used (6 Marks)

QUESTION TWO

- (a) Discuss FIVE long-term benefits to people and the environment provided by organic farming (5 Marks)
- (b) Discuss ANY FIVE macronutrients derived from soil that are necessary for crop production (5 Marks)
- (c) Discuss ANY FIVE advantages of crop rotation (10 Marks)

QUESTION THREE

- (a) Discuss FIVE advantages of herbicide combinations in weed control (5 Marks)
- (b) Explain the FIVE Reasons for applying mulch in a farm (5 Marks)
- (c) Discuss ANY FIVE maturity index for fruits and vegetables (10 marks)

QUESTION FOUR

- (a) Distinguish between the terms Food Losses and Food Waste (4 Marks)
- (b) Describe ANY SIX types of Irrigation Systems (6 Marks)
- (c) Discuss ANY FIVE important principles of Weed Control (10 Marks)

QUESTION FIVE

- a) Discuss any FIVE edaphic factors (soil) factors limiting crop production (10marks)
- b) Discuss any Five characteristics of a plant community (10marks)