



# The Co-operative University of Kenya

**END OF SEMESTER EXAMINATION APRIL-2019**

**EXAMINATION FOR THE DEGREE OF BACHELOR OF CO-OPERATIVE  
BUSINESS  
(YR II SEM II)**

**UNIT CODE: BAFS 2109**

**UNIT TITLE: PRINCIPLES OF CROP PRODUCTION**

**DATE: 8<sup>TH</sup> APRIL, 2019**

**TIME: 9:00 AM – 11:00 AM**

**INSTRUCTIONS:**

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

**QUESTION ONE**

- a) Distinguish between the following terms. (6 marks)
- Shifting cultivation and crop rotation
  - Macro and Micro nutrients
  - Intercropping and mixed cropping
- b) List four crops that are indigenous to Africa. (4 marks)
- c) Highlight six characteristics of weeds that makes them compete effectively with crop plants. (6 marks)
- d) Highlight six factors affecting mechanized harvesting of field crops. (6 marks)
- e) Give two function of the following nutrients. (8 marks)
- Potassium
  - Calcium
  - Zinc
  - Sulphurs

**QUESTION TWO**

- a) Describe the agronomic classification of field crops. (10 marks)
- b) Discuss five purpose of tillage operations. (10 marks)

**QUESTION THREE**

- a) Describe the factors that constitute constraint to crop production in Kenya. (10 marks)
- b) Discuss the importance of minimum tillage. (10 marks)

**QUESTION FOUR**

- a) Draw a three year crop rotation programme with the following crops maize, Capsicum, potatoes and Cowpeas. (12 marks)
- b) Discuss the disadvantages of intercropping. (8 marks)

**QUESTION FIVE**

- a) Discuss the beneficial effects of weeds. (10 marks)

- b) Discuss five methods which to preventing the spread of weeds by their seeds and propagules. (10 marks)