



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATION 2017/2018

DIGITAL SCHOOL OF VIRTUAL AND OPEN LEARNING

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR

SCIENCE AGRICULTURAL /BACHELOR OF SCIENCE AGRICULTURAL

RESOURCE MANAGEMENT /BACHELOR OF SCIENCE AGRIBUSINESS

MANAGEMENT AND TRADE

KCU 201: PRINCIPLES OF CROP PRODUCTION

DATE: TUESDAY, 19TH June 2018

TIME: 2.00PM

INSTRUCTIONS

SECTION A: ANSWER ALL QUESTIONS (40marks)

1. Explain the term evapotranspiration (5 marks)
2. Describe the quality attributes to consider in selecting crop seed. (5 marks)
3. Compare polyculture and monoculture systems, highlighting the advantages and disadvantages. (5 marks)
4. Explain the role of microorganisms in crop production (5 marks)
5. Enumerate five practices for reducing post-harvest crop loss. (5 marks)
6. List the major vegetative crop propagation techniques. (5 marks)
7. With examples, differentiate between organic and inorganic fertilizers. (5 marks)
8. Write short notes on vegetative crop propagation methods (5 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (30 marks)

1. Explain the meaning and impact of leaching process on crop production and describe the possible actions farmers can take to recover leached nutrients. (15marks)
2. Describe the importance of water in crop production and this is affected by climate change. (15 marks)
3. With a focus on IPM, discuss the various methods of controlling crop pests and pathogens. (15 marks)