

LAIKIPIA



UNIVERSITY

UNIVERSITY EXAMINATIONS

1ST SEMESTER 2023/2024 ACADEMIC YEAR

FOURTH YEAR EXAMINATIONS FOR BACHELOR OF SCIENCE IN AGRICULTURAL EXTENSION AND EDUCATION

AGED 415: VEGETABLE PRODUCTION

STREAM: R

TIME: 2 HRS

DAY: WEDNESDAY (8.30-10.30AM) DATE: 6/12/23

THIS QUESTION PAPER CONSISTS OF THREE (3 PAGES)

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INSTRUCTIONS: Answer question **ONE** and any other **TWO** questions.

QUESTION ONE (30 MARKS)

- a) Describe the different sex forms in cucurbits with relevant examples (5 marks)
- b) Explain five nutritive value of vegetables giving relevant examples (5 marks)
- c) Organic farming is currently gaining momentum globally. Explain five principles followed in organic farming (5 marks)
- d) Describe five different vegetable special cultivation systems (5 marks)
- e) I) State the meaning of the term curing in onions (2 marks)
 ii) Explain the function of curing in onion production (3 marks)
- f) I) Explain the meaning of soilless media in vegetable production (2 marks)
 ii) Describe THREE examples of soilless media used in vegetable production (2 marks)

QUESTION TWO (20 MARKS)

- a) Discuss FIVE environmental requirements for the production of onions (10 marks)
- b) Describe FIVE botanical characteristics of male sterility in onions (10 marks)

QUESTION THREE (20 MARKS)

- a) Potato is a common crop grown in Nyandarua county of Kenya. Discuss in detail FIVE nutritive values of the crop (10 marks)
- b) Describe five diseases that affect the production of potatoes and their control measures (10 marks)



QUESTION FOUR (20 MARKS)

- a) I) Describe three different uses of tomato (3 marks)
- ii) Explain the maturity indicators used to harvest tomato (7 marks)
- b) I) Describe 3 physiological disorders that affect Tomato production. (6 marks)
- II) Explain two ways in which they can be controlled (4 marks)

QUESTION FIVE (20 MARKS)

- a) Describe five common characteristics of cucurbits (10 marks)
- b) Discuss five roles of growth hormones in sex modifications of cucurbits (10 marks)

