

LAIKIPIA



UNIVERSITY

UNIVERSITY EXAMINATIONS

1ST SEMESTER 2022/2023 ACADEMIC YEAR

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

AGED 415: VEGETABLE CROPS

STREAM: R

TIME: 2 HRS

DAY: FRIDAY (11.30-13.30PM)

DATE: 9/12/22

THIS QUESTION PAPER CONSISTS OF TWO (2 PAGES)

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.

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

QUESTION ONE (30 MARKS)

Write on the following as they relate vegetable growing

- a) Late blight (4 Marks)
- b) Diamond back moth (4 Marks)
- c) Earthing up (4 Marks)
- d) Staking (4 Marks)
- e) Vernalization (4 Marks)
- f) Blossom end rot in tomatoes (5 Marks)
- g) Pruning (5 Marks)

QUESTION TWO (20 MARKS)

- a) Describe the production of spider plant and black night shade under the following
 - i. Seed collection and establishment (3 Marks)
 - ii. Harvesting (3 Marks)
 - iii. Fertilizer and manure application (3 Marks)
- b) What are the challenges facing the vegetable industry in Kenya? Describe the measures to mitigate them (10 Marks)

QUESTION THREE (20 MARKS)

Describe the effects and control of any 2 diseases and pests for the following vegetables

- a) Cabbages (7 Marks)
- b) Onions (7 Marks)
- c) Carrots (6 Marks)

QUESTION FOUR (20 MARKS)

- a) Briefly explain the importance of vegetable crops (10 Marks)
- b) Distinguish between a disease and a physiological disorder giving examples for cauliflower (10 Marks)