



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya.

Tel: +254 (0)799529958, +254 (0)799529959, +254 (0)712524293

Website: [www.must.ac.ke](http://www.must.ac.ke) Email: [info@must.ac.ke](mailto:info@must.ac.ke)

## University Examinations 2024/2025

THIRD YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION, BACHELOR OF SCIENCE IN EDUCATION SCIENCE AND BACHELOR OF SCIENCE IN AGRICULTURE

### AAH 3300: HORTICULTURAL CROP PRODUCTION

DATE: JANUARY 2025

TIME: 2 HOURS

#### INSTRUCTIONS:

1. Answer Question ONE, and any other TWO

#### QUESTION ONE (30 MARKS)

- a) Explain the importance of ornamental flower production. (5 Marks)
- b) Describe the characteristics of vegetable forcing production. (4 Marks)
- c) Describe the anthracnose disease of avocados. (3 Marks)
- d) Giving examples describe the classification of vegetables according to hardiness. (6 Marks)
- e) Describe three categories of sorting French beans (6 Marks)
- f) Explain watermelon production under water management and post-harvest handling. (6 Marks)

#### QUESTION TWO (20 MARKS)

- a) Giving examples, describe the following vegetable processing methods
  - i. Blanching (4 Marks)
  - ii. Dehydration (4 Marks)
  - iii. Canning (4 Marks)
- b) Discuss the principles of landscaping (8 Marks)



### QUESTION THREE (20 MARKS)

- a) Giving example describes the climacteric fruit (5 Marks)
- b) Describe the post-harvest handling of cut flowers. (15 Marks)

### QUESTION FOUR (20 MARKS)

- a) Explain the importance of horticulture crop production in Kenyan economy. (10 Marks)
- b) Explain the following gardening styles to landscaping:
  - i. Formal style (5 Marks)
  - ii. Free style (5 Marks)

