



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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UNIVERSITY EXAMINATIONS 2023/2024

FIRST YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN
AGRICULTURAL EXTENSION

HO/OS/HP/CR/09/6B: PRODUCE CUT FLOWERS

DATE: APRIL 2023

TIME: 3HOURS

INSTRUCTIONS: Answer Question ONE and any other THREE questions.

QUESTION ONE (40 MARKS)

1. List SIX planting materials used in cut flower production. (3 marks)
2. Distinguish between Standard and Spray Carnations. (2 marks)
3. Outline FIVE quality parameters considered during marketing of Orchids. (5 marks)
4. Identify FOUR soil conservation measures employed during Delphinium production. (4 marks)
5. Outline FOUR benefits of soil testing in Alstromeria production. (4 marks)
6. State TWO factors that determine how quickly roots emerge from Rose cuttings. (2 marks)
7. Highlight FOUR factors to consider when sourcing planting materials for establishing Gypsophila. (4 marks)
8. List FOUR pests that infest Carnations plants in a greenhouse. (4 marks)
9. State FOUR ways by which vase life of flowers can be prolonged. (4 marks)
10. List FOUR factors that would influence the choice of Hydrangea variety to grow. (4 marks)
11. State FOUR physiological disorders in Chrysanthemums. (4 marks)

SECTION B (60MARKS)

12. a) Outline TEN factors that limit cut flower production in Kenya. (10 mark)



- b) Explain FIVE factors influencing Rose flower prices. (10 marks)
13. a) Explain FIVE ways in which Cut flower shelf life can be prolonged. (10 marks)
- b) Describe propagation of Tuberoses. (10 marks)
14. a) Describe the following management practices in Carnations:
- i. Pinching. (5 marks)
 - ii. Disbudding. (5 marks)
- b) Name FOUR diseases affecting Rose plants. (2 marks)
- c) Outline FOUR benefits of fertigation. (8 marks)
15. a) Explain FIVE Roles of floriculture in Kenya economy. (10 marks)
- a) Describe FIVE methods of controlling Thrips in Carnation production. (10 marks)

