

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF BACHELOR OF SCIENCE IN
AGRICULTURAL EDUCATION**

HORT 361: FLORICULTURE

STREAMS: BSC. AGED Y2S2

TIME: 2 HOURS

DAY/DATE: FRIDAY 12/4/2024

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- 1. The paper contains section A & B**
- 2. Answer all questions in section A and any two from section B**
- 3. Marks for each question are indicated in parenthesis ()**
- 4. Total marks=70**

SECTION A: (30 marks)

1. (a) Explain briefly the importance of cut flower postharvest handling. (4 marks)

(b) Greatest costs in postharvest handling of cut flowers is as a result of labour. Justify the statement. (4 marks)
2. (a) Explain two advantages and two disadvantages of sulphuring as a method of cut flower preservation. (4 marks)

(b) What are the benefits of carbon dioxide enrichment in Rose flower production under greenhouse. (4 marks)
3. Discuss the role of HCD (Horticultural Crop Directorate) in the floriculture industry. (6 marks)
4. (a) Describe the different stages of harvesting carnation flowers based on market demand. (4 marks)

(b) Explain how vase life can be enhanced in carnation cut flowers. (4 marks)

SECTION B (40 marks)

5. (a) Discuss practices that enable Calla lily flower growers to comply with certification requirements on maximum residue levels (MRLs). (15 marks)

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- (b) Discuss why flower farming though lucrative is not a common enterprise among small scale farmers. (5 marks)
6. (a) Describe the special operations in Rose flower production. (10 marks)
- (b) Discuss the possible factors that can affect quality in Rose flowers. (10 marks)
7. (a) Describe support system in carnation production. (12 marks)
- (b) Describe the different types of chrysanthemum used for cut flower production. (8 marks)
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