

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DIPLOMA IN
HORTICULTURE

HORT 0261: FLORICULTURE

STREAMS: DIP. HORT (Y2S2)

TIME: 2 HOURS

DAY/DATE: THURSDAY 20/04/2023

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- Answer ALL questions in section A and any other TWO in section B
- Do not write on the question paper

QUESTION ONE

- (a) Describe the classification of chrysanthemum based on the flower forms. [5 marks]
- (b) Briefly explain any two physiological disorders of roses. [4 marks]
- (c) Briefly explain the following terms as used in cut flowers production. [4 marks]
- (i) Single pinch
 - (ii) A pinch and a half
 - (iii) Pulsing
 - (iv) Grading

QUESTION TWO

- (a) Cut flower production is a very lucrative business; however, it is only practiced by foreign investors and a small percentage of Kenyans. Explain the factors contributing to this. [5 marks]
- (b) Describe briefly how temperature influences cut flowers production. [5 marks]
- (c) Describe any two cultural practices carried out in Chrsanthemums. [4 marks]

QUESTION THREE

- (a) Describe the classification of ornamental plants based on Uses [6 marks]
- (b) Briefly describe conditioning process of cut flowers [4 marks]
- (c) Explain the role played by flowers in a human life [3 marks]

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SECTION B: ANSWER ANY TWO QUESTIONS (30 MARKS)

QUESTION FOUR

- (a) Discuss the various special operations carried out in carnations [9 marks]
- (b) Discuss the following in Alstromeria [6 marks]
 - (i) Light requirements
 - (ii) temperature requirements

QUESTION FIVE

- (a) Discuss the factors affecting post harvest life of cut flower post harvest [8 marks]
- (b) Discuss the packhouse operations processes involved in cut flowers production. [7 marks]

QUESTION SIX

- (a) Discuss the following nutrition requirements in carnations. [8 marks]
 - (i) Calcium
 - (ii) Phosphorous
 - (iii) Potassium
 - (iv) Boron
 - (b) Discuss spider mites in roses under the following [7 marks]
 - (i) Symptoms
 - (ii) Control
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