

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
AGRICULTURAL EDUCATION AND EXTENSION**

HORT 361: FLORICULTURE 1 (MAJOR CUT FLOWERS)

STREAMS: BSC AGED Y2S2

TIME: 2 HOURS

**DAY/DATE: THURSDAY 08/07/2021
A.M**

8.30- A.M – 10.30

INSTRUCTIONS:

This paper contains section A &B

Answer all questions in section A and any two from section B

Marks for each question are indicated in parenthesis ()

Total marks = 70

SECTION A (30 MARKS) : ANSWER ALL QUESTIONS

1. (a) Describe any four factors that could affect cut flower production in Kenya. [4 marks]
- (b) Explain why desuckering in rose flower should be timely. [2 marks]
2. Explain why the cut flower growers should consider the following important questions before farm establishment:
 - (i) What to grow (product) [2 marks]
 - (ii) Where to grow (place) [2 marks]
 - (iii) How it will be sold (market) [2 marks]
 - (iv) When to grow (Timing) [2

marks]

3. (a) Describe briefly three nutritional physiological disorders of cut flower .Give an example in each case. [6

marks]

- (b) Describe the basic ingredients that constitute a floral preservative. [3

marks]

4. (a) Briefly explain the effect of bulb size on productivity and quality of gladiolus.

[3 marks]

- (b) Explain how the use of agrochemical affects cut flower production enterprise among the farmers in Kenya.

[4 marks]

SECTION B : ANSWER ANY TWO QUESTIONS (40 MARKS)

5. (a) Discuss the effect of temperature on Alstroemeria production. [12

marks]

- (b) Describe any four cultural practices that affect the quality of carnation flowers.

[8 marks]

6. (a) Discuss the factors that contribute to reduced vase life in cut flowers. [12

marks]

- (b) Describe the different pack operations. State the significance of each. [8

marks]

7. (a) Describe the ecological requirements for production of Chrysanthemum. [10

marks]

- (b) Describe the main cultural practices applicable to Chrysanthemum establishment and growth.

[10 marks]
