

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

RESITS/SPECIAL EXAM

**THIRD YEAR EXAMINATIONS FOR THE AWARD OF BACHELOR
OF SCIENCE IN AGRICULTURE / AGRICULTURAL EDUCATION**

HORT 261/361: FLORICULTURE 1(MAJOR CUT FLOWERS)

STREAMS: BSC AGRIC/AGED (Y3S2)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 18/11/2020

2.30 P.M. – 4.30 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). Describe the major determinants of quality in Carnation cut flowers (4 marks)
b). What is the importance of a planting calendar in flower production (3 marks)
2. Explain the importance of carrying out the following operations during cut flower establishment:
a) Soil amendment (4 marks)
c) Analysis of water for irrigation purpose (3 marks)
3. a). Describe briefly three physiological disorders of Lisianthus flower (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 agrochemicals affect cut flower production enterprise among the farmers in Kenya (4 marks)

SECTION B: ANSWER ANY TWO QUESTIONS 40 MKS

5. a). Give a detailed outline of the routine practices carried out in management of rose cut flower (10 marks)
- b). Discuss the factors that have led to the success of cut flower production in Kenya (10 marks)
6. a). Discuss the effect of temperature in rose production (12 marks)
- b). Describe the different cut stages applicable during harvesting of roses (8 marks)
7. a). Describe the main special operations specific to carnation production (10 marks)
- b). Describe the key considerations in cut flower establishment (10 marks)
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