

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATION  
RESIT/SUPPLEMENTARY / SPECIAL EXAMINATIONS  
EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF**

**HORT 361: FLORICULTURE**

**STREAMS:**

**TIME: 2 HOURS**

**DAY/DATE: THURSDAY 04/11/2021**

**11.30 A.M - 1.30 P.M.**

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**INSTRUCTIONS:**

- i. The paper contains section A&B
- ii. Answer all questions in section A and any two from section B.
- iii. Marks for each question are indicated in parenthesis ( )
- iv. Total marks = 70

**SECTION A: TOTAL 30 MARKS**

1. a). Describe the process of bulb curing in bulbous flowers (5 marks)
- b). Explain the effect of bulb size on productivity and quality of Arabicum (5 marks)
2. Distinguish the following :
  - a) Single pinch and a pinch and a half as used in carnation (2 marks)
  - b) Grading and sorting (2 marks)
  - c) Pulsing and holding solutions (2 marks)
3. Water quality is a key aspect in cut flower post harvest handling. Justify the

statement

(6 marks)

4. Describe the physiological disorders in carnations chrysanthemum (8 marks)

**SECTION B: TOTAL 40 MARKS (ANSWER ANY TWO)**

5. a) Compare and contrast the main cultural practices carried out in Rose and Carnation production (10 marks)

b). Cut flower production is a very lucrative business; however it is only practiced by foreign investors and a small percentage of Kenyans. Discuss reasons contributing to this.

(10 marks)

6. a. Explain how growers carry out soil treatment for a cut flower establishment (12 marks)

b). *Erwiniacarotovora* (bulb rot) is a major challenge to smallholder farmers in Arabicum production. Outline the symptoms associated with its' infestation in plants and suggest viable control measures

(8 marks)

- 7 a) Discuss the pre-harvest practices that affect cut flower postharvest quality (10 marks)

b). Explain the challenges facing cut flower growers (10 marks)

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