



UNIVERSITY OF EMBU

2019/2020 ACADEMIC YEAR

SUPPLEMENTARY/SPECIAL EXAMINATIONS

THIRD YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
HORTICULTURE

ACH 304: FLORICULTURE 1

DATE: OCTOBER 23, 2020

TIME: 2:00 PM – 4:00 PM

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions.

QUESTION ONE(30 MARKS)

- Differentiate between standard and spray cultivars of rose flower. (5 marks)
- Discuss five conditions that promote quality and long vase life of cut flowers (5 marks)
- Discuss Four factors that favors Floriculture Industry in Kenya. (5 marks)
- Discuss factors that can affect the post-harvest quality of a cut flower. (5 marks)
- Describe soil management with respect to flower production. (5 marks)
- Explain effects of ethylene on cut flowers. (5 marks)

QUESTION TWO (20 MARKS)

- Define the term “physiological disorder”. Briefly describe any four physiological disorders of carnation and their control. (15 marks)



ISO 27001:2013 Certified

Knowledge Transforms



ISO 9001:2015 Certified

- b) With reference to floriculture, describe factors favouring downy mildew in roses. (5 marks)

QUESTION THREE (20 MARKS)

- a) Describe the methods used by commercial cut flower producers to propagate carnations. (15 marks)
- b) Describe red spider mite control in cut flower production. (5 marks)

QUESTION FOUR (20 MARKS)

Describe the ecological requirements for the following cut flowers.

- a) Statice (10 marks)
- b) Gypsophylla (10 marks)

QUESTION FIVE (20 MARKS)

- a) Discuss constraints facing the floriculture industry in Kenya. (16 marks)
- b) Describe quality consideration in cut flowers. (4 marks)

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