



UNIVERSITY OF EMBU

2016/2017 ACADEMIC YEAR

FIRST SEMESTER EXAMINATION

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

ACH 402: POTPLANTS, FLOWER ARRANGEMENT AND CONSUMPTION

DATE: NOVEMBER 30, 2016

TIME: 11:00AM-1:00PM

INSTRUCTIONS:

Answer Question ONE and ANY other TWO Questions

QUESTION ONE (30 MARKS)

- a) Briefly explain the following elements of design used in floral arrangement
 - i) Color (2 marks)
 - ii) Form (3 marks)
- b) Explain non chemical methods that can be used to control pests in interior pot plants. (5 marks)
- c) Describe the attributes of design as used in floral design. (6 marks)
- d) With the use of diagrams, describe four containers that are used in floral arrangement. (8 marks)
- e) Outline 6 plants indicating the common and scientific names, of plants within Embu University College. (6 marks)

QUESTION TWO (20 MARKS)

- a) Discuss the concept of 'sun leaves" and 'shade leaves" in potted plants. (6 marks)
- b) Discuss the factors to consider when watering indoor potted plants. (6 marks)
- c) Discuss the challenges in the indoor space that may cause harm to interior pot plants.

(8 marks)

QUESTION THREE (20 MARKS)

Indoor environment is more pleasant and attractive when living plants are a part of the setting. Discuss the functions of potted plants in the interior spaces under the following categories

- i) Sensual functions (4 marks)
- ii) Emotional and symbolic functions (4 marks)
- iii) Architectural functions (4 marks)
- iv) Engineering functions (4 marks)
- v) Aesthetic functions (4 marks)

QUESTION FOUR (20 MARKS)

- a) Briefly discuss five factors considered in the selection of containers for indoor plants. (5 marks)
- b) Write short notes on the different types of containerized indoor plants. (6 marks)
- c) Briefly discuss the following maintenance practices of interior plantscapes
 - i) Pruning (3 marks)
 - ii) Cleaning (3 marks)
 - iii) Air pollution (3 marks)

QUESTION FIVE (20 MARKS)

- a) While defining the term Floral arrangement, discuss the 3 main geometric designs that form the foundation of all floral designs. (8 marks)
- b) With the use of well labeled diagrams, discuss the standard patterns of floral arrangement. (12 marks)

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