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University Examinations 2024/2025

SECOND YEAR FIRST SEMESTER EXAMINATION FOR THE DIPLOMA IN AGRICULTURE

AAD 2501: CUT FLOWERS, ORNAMENTAL CROPS AND LANDSCAPING

DATE: DECEMBER 2024

TIME: 1½ HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

- a) State two importance of ornamental plants under each of the following points of view
(6marks)
 - (i) Economic point of view
 - (ii) Aesthetical point of view
 - (iii) Social point of view
- b) Giving an example in each case, discuss three types of ornamental plants based on adaptation (6marks)
- c) Explain two reasons why Greenhouses are useful in commercial production of Chrysanthemums (2marks)
- d) Give two impacts of fertilizer use on floriculture industry (2marks)
- e) Give three signs of over-watering indoor plants (3marks)
- f) Mention two ways of keeping houseplant clean (2marks)
- g) Give two methods of increasing humidity for the houseplant clean (2marks)
- h) Name properties of colors that affect the emotions in a garden (4marks)

- i) Outline the properties of a good mix of potting media (3marks)

QUESTION TWO (15 MARKS)

- a) A homeowner wants to create a small garden in their backyard that is both aesthetically pleasing and low-maintenance. Describe the key elements you would consider in your design as a landscape designer. (10 marks)
- b) Describe the key factors that influence the quality and longevity of cut flowers after harvest (5 marks)

QUESTION THREE (15 MARKS)

- a) Explain the impact of climate change on the production and marketing of cut flowers and ornamental crops. What strategies can growers adopt to adapt to these changes (10 marks)
- b) State and explain five types of garden (5marks)

QUESTION FOUR (15 MARKS)

- a) Giving examples in each case, explain three types of plants photoperiodism (6marks)
- b) Describe the key factors that influence the quality and longevity of cut flowers after harvest (5marks)
- c) State four advantages of using vegetative cuttings when establishing cut flowers and ornamental crops (4marks)