

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

HORT 462 : ORNAMENTAL HORTICULTURE

STREAMS: BSC HORT Y4S1

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 24/3/2021

2.30 PM – 4.30 PM

INSTRUCTIONS:

- This paper contains Sections A and B.
- Answer all questions in Section A and any two from Section B
- Marks for each question are indicated in the parenthesis
- Total Marks = 70

SECTION A (30 MARKS) : ANSWER ALL QUESTIONS

1.a) Give examples of ornamental plants that could be used for the following purposes:

i. Shrubs which can be used as a hedge, fencing and also for topiary. [1 Mark]

ii. Foliage shrub. [1 Mark]

iii. A plant species suitable for hanging basket. [1 Mark]

iv. Bedding plant [1 Mark]

b. Explain the importance of ornamental shrubs in the garden. [4 Marks]

2. Explain the essence of the steps followed in establishment of a successful lawn. [6 Marks]

3.a). Describe the essential requirements considered in the establishment of roof gardens. [5 Marks]

b). Explain the function of plants used in Aquariums. [3 Marks]

4. Outline the procedure of plant establishment in a rockery. [8 Marks]

SECTION B (40 MARKS) : ANSWER ANY TWO QUESTIONS

5.a). outline the care needed by both annuals and perennials to keep them healthy and attractive throughout the growing season.
[10 Marks]

b). What measures can be taken to manage soil borne diseases in bedding plants?
[10 Marks]

6.a). Describe the characteristics of plants suitable for aquarium installation. [10 Marks]

b). Describe the maintenance of aquarium plants. [10 Marks]

7.a). Describe the criteria for selection of climbers and creepers in ornamental horticulture.
[10 Marks]

b). Describe the propagation of Liana. [10 Marks]

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