

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
HORTICULTURE**

HORT 462: ORNAMENTAL HORTICULTURE

STREAMS: BSC. HORT

TIME: 2 HOURS

DAY/DATE: TUESDAY 04/12/2018

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- **This paper has two sections A and B**
- **Section A accounts for 30 marks while section B accounts for 40 marks**
- **Section A is compulsory**
- **Answer any two questions in section B**

SECTION A (30 MARKS): ANSWER ALL QUESTIONS

1. Distinguish between the following terms:
 - (i) A specimen and accent plant (3 marks)
 - (ii) Monotype and group plantings (3 marks)
 - (iii) A tree and a shrub (3 marks)
2. Describe functional uses of ornamental plants (6 marks)
3. Explain classification of ornamental plants (9 marks)
4. Describe cultural requirements for an aquarium (6 marks)

SECTION B (40 MARKS): ANSWER ALL QUESTIONS

5. (a) Discuss environmental factors affecting ornamental plants under the following sub-headings

- (i) Temperature (8 marks)
 - (ii) Light (6 marks)
 - (b) Describe propagation of Dieffenbachia (Dumbcane) (6 marks)
 - 6. (a) Discuss the following aspects of Tuff grass growing and maintenance:
 - (i) Mowing (5 marks)
 - (ii) Fertilizer application (5 marks)
 - (iii) Irrigation (5 marks)
 - (b) Describe precautions necessary when using vines in a landscape. (5 marks)
 - 7. (a) Describe a rock garden (4 marks)
 - (b) Explain some of the adjustments that plants must undertake to survive in the indoor environment. (6 marks)
 - (c) Discuss factors considered when selecting ornamental plants. (10 marks)
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