



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2013/2014**

**FOURTH YEAR SECOND SEMESTER EXAMINATIONS FOR THE  
DEGREE OF SCIENCE IN HORTICULTURE WITH INFORMATION  
TECHNOLOGY**

**(MAIN CAMPUS)**

**AAG 412: ORNAMENTAL HORTICULTURE II**

*Date: 31<sup>st</sup> March, 2014*

*Time: 11.15am - 1.30pm*

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**INSTRUCTIONS:**

- Answer ALL questions in this paper.
- Do not use one plant species MORE THAN one in answering the questions.



Attempt ALL questions in this paper. Do not use one plant species MORE THAN once in answering the questions

Time 2Hrs.

Date

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1. Outline the procedures involved in the acquisition of indoor/outdoor plants in the humid sub-tropics, tropics and Afrotropical climates (6 marks)

2. Consider, with any reasons, four plants for indoor planting in an

- i. Office (1 mark)
- ii. Living room and conference Hall (1 mark)
- iii. Kitchen (1 mark)
- iv. Window Sill (1 mark)

3. Where, why and which of any four plants would you use in the following designs?

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|------------------------------|--------------------|
| (i) Hanging baskets          | (vi) Avenues       |
| (ii) Bottle gardens          | (vii) Hedges       |
| (iii) Urbanized park walkway | (viii) Focal point |
| (iv) Fountains               | (ix) Beddings      |
| (v) Lawns                    | (x) Terrariums     |

(1.5 marks each=15 marks)

4 (a). Explain any two methods of planting and pruning of ornamental plants (10 marks)

(b). Discuss, with examples, the procedures of watering and fertigation in amenity and ornamental plants management (3 marks)

(c). State, with two reasons, the possible location of *Spathiphyllum wallisii* as an indoor plant *Aglaonema*. Spp (3 marks)

5. With at least three examples, account the propagation methods and after care of Bonsai (10 marks)

6 (a). Discuss the role of media in the establishment of outdoor plants (5 marks)

(b). Citing reasons explain why and where you would use the following plants species in any landscape

- i. *Ficus benjamina* (1mark)
- ii. *Bougainvillea ovata* (1mark)
- iii. *Saraca asuca* (1mark)
- iv. *Cyperasus pyramidilis* (1mark)
- v. *Delonix regia* (1mark)
- vi. *Phoenix spp* (1mark)
- vii. *Pinnesitum clandestinum* (1mark)
- viii. *Apphelandra ssp* (1mark)
- ix. *Pepperomia ssp* (1mark)
- x. *Brassia actinophylla* (1mark)

(7) With, two examples in each case, the role played by Orchids and Xerophytes in Ornamental and Amenity Horticulture (4 marks)