



## **MASENO UNIVERSITY**

### **UNIVERSITY EXAMINATIONS 2016/2017**

#### **FOURTH YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN HORTICULTURE WITH INFORMATION TECHNOLOGY**

### **MAIN CAMPUS**

### **AHC 404: ORNAMENTAL HORTICULTURE II**

Date: 5<sup>th</sup> December, 2016

Time: 8.30 - 11.30 am

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#### **INSTRUCTIONS:**

- Answer ALL questions in SECTION A and any other TWO questions from SECTION B.

## AHC 404: ORNAMENTAL HORTICULTURE II

**INSTRUCTIONS:** Answer **ALL** questions in section **A** and any other **TWO** questions from section **B**.

### SECTION A (30 MARKS)

- Q1. (a)** The beautiful scenery created by a water garden demands that the water remains clear. Explain the major challenges to water clarity and the possible remedial measures (6 marks)
- (b)** Outline the considerations to make in the choice of a site for a water garden (5 marks)
- Q2. (a)** Every ornamental garden requires some maintenance aspects to enhance a beautiful scenery. Discuss the maintenance aspects that should be observed in hanging baskets (6 marks)
- (b)** Without having to measure the amount of soil moisture in a turf area, what would guide the turf grass manager on when to irrigate his turf (2 marks)
- (c)** A terrarium is like a miniature forest floor. Justify this statement (2 marks)

**Q3. (a)** A rock garden is intended to be a true representation of a natural rock scenery. Outline the considerations one needs to make in the site selection in order to achieve this objective (5 marks)

**(b)** Using at least one example, outline the groups of plants used in a rock garden (4 marks)

#### **SECTION B (40 MARKS)**

**Q4. (a)** The beauty of house plants can emanate from their foliage, shapes or flowers. Using specific examples, describe the various shapes of house plants (12 marks)

**(b)** Outline the features of a container that would make it qualify for use in a terrarium (5 marks)

**(c)** It is always advisable never to remove more than 40% of the leaf area in any lawn mowing. Justify this statement (3 marks)

**Q5. (a)** As a newly recruited golf course manager for a yet to be established facility made of fine turf, describe the various methods you would use in establishing the facility (15 marks)

**(b)** Describe the guiding principles for locating hanging baskets for interior scaping (5 marks)

**Q6. (a)** Justify the use of plants in landscaping highlighting the possible challenges this may pose to any given landscape (10 marks)

**(b)** Turf grass has been commonly used in various ornamental gardens. Outline the limitations of their use and the morphological and/or anatomical features that make mowing relevant as its maintenance procedure (5 marks)

**(c)** Outline the relevance of ground covers in any given landscape (5 marks)