

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

HORT 212: PLANT IDENTIFICATION

STREAMS: BSC(HORT) Y2S1

TIME: 1 HOUR

DAY/DATE: FRIDAY 14/12/2018

11.30 A.M - 12.30 P.M.

INSTRUCTIONS:

- Answer ALL questions in this section
- Marks for each question are indicated in parenthesis ( )
- Total Marks = 30
- Do not write anything on the question paper

1. (a) Describe briefly the sub-divisions of a plant species. [3 Marks]  
(b) *Pinus contorta latifolia* is the scientific name of lodgepole pine. Without changing the order of the words, rewrite to show how variety and cultivar names are written scientifically. [3 Marks]
  2. (a) Leaf surface is an important feature in plant identification. Describe the various types of leaf surfaces. [4 Marks]  
(b) State the means of propagation for the following plants:  
(i) *Jacaranda mimosefolia* [1 Mark]  
(ii) *Philodendron* [1 Mark]
  3. (a) Outline the identification features of the plants in the family Cucurbitaceae. [5 Marks]  
(b) Explain why common names are not used in scientific communication. [2 Marks]
  4. State five examples of names and their meanings as used to describe plant features in identification. [5 Marks]
  5. Write short notes on Horticultural plant classification. [6 Marks]
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