

**CHUKA**



**UNIVERSITY**

## **UNIVERSITY EXAMINATIONS**

### **SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN HORTICULTURE**

**HORT 212: PLANT IDENTIFICATION**

**STREAMS: BSC HORT Y2S1**

**TIME: 2 HOURS**

**DAY/DATE: MONDAY 4/12/2017**

**11.30 A.M – 1.30 P.M**

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#### **INSTRUCTIONS:**

- **Answer all questions**
- **Marks for each question are indicated in parenthesis**
- **Total marks = 30marks**

1. (a) State the importance of plants in the family leguminosae. [3marks]  
(b) Brassicaceae family consists of plants of economic importance. Explain five examples giving the botanical names. [4marks]
2. (a) First year horticulture student has identified plant identification course in the University catalogue. He doubts the relevance of the course in his programme. Having done the course advise this students. [5marks]  
(b) Explain why botanical names are written in latin. [2marks]
3. State the part used in propagating the following plants. [4marks]
  - (a) (i) Purple heart
  - (ii) Aptenia
  - (iii) Priest palm
  - (iv) Acalypha wikensiana ‘marginata’

(b) Write the following names correctly to depict cultivar, variety and forma in examples.

(i), ii and iii respectively

[3marks]

(ii) *Astrophytum myriostigma onzuka*

(iii) *Astrophytum myriostigma strongylogonum*

(iv) *Astrophytum myriostigma quadricostata*

4. State meaning and the plant part being described by the following word below:

[5marks]

(a) Confertus

(b) Altus

(c) Inteus

(d) Arboreus

5. Explain the meaning of the following flowers when used in communication.

[4marks]

(a) Chlorophytum

(b) Anemone

(c) Aster

(d) Fern

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