

CHUKA



UNIVERSITY

Knowledge is Wealth (*Sapientia divitia est*) Akili ni Mali

OFFICE OF THE COD

DEPARTMENT OF PLANT SCIENCES

Telephones: 020-2310512/18

P. O. Box 109-60400,

Chuka

Direct Line: Email: [info@chuka.ac.ke](mailto:info@chuka.ac.ke),

Website: [www.chuka.ac.ke](http://www.chuka.ac.ke)

---

## HORT 212: PLANT IDENTIFICATION

BSC. HORTICULTURE Y2S1 (RESIT/SPECIAL EXAM NOVEMBER, 2021)

DURATIONS 1 HOUR

### INSTRUCTIONS

1. Answer all questions
2. Marks for each question are indicated in parenthesis ( )
3. Total marks = 40

Q1 a). What is plant identification (2mks)

b). Briefly explain why binomial nomenclature important in scientific study (8mks)

Q2. Write short notes on Horticultural plant classification (10mks)

Q3 A Botanical name is not only a name but often tells something about the plant. In regard to this statement, state the meaning and the plant part being described by the following words; (5mks)

- a. Brevi....
- b. Mega....
- c. Macro....
- d. Nanus
- e. Alba...

Q4. a). The following names are used in identification to describe the origin of the plant. State the origin of the following names (5mks)

- i. Peruviana
- ii. Capensis
- iii. Saxatilis
- iv. Riparhus
- v. Campestris

b). State the botanical names and family for the following plants (5mks)

- i. Cabbage
- ii. Avocado
- iii. Celery
- iv. Travellers palm
- v. Ti-plant

Q5. Using one example in each case show how to write botanical name of the following (6mks)

- i. Cultivar



- ii. Variety
- iii. Forma or form