

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**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 16/12/2024

2.30 P.M – 4.30 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. The ability to identify a plant gives the horticulturist knowledge of how to manage or maintain the plant. Describe any other four (4) reasons for plant identification. (4 marks)

2. Briefly explain why common names are not preferred in scientific communication and plant identification. (4 marks]

3. (a) Briefly describe Horticultural plant classification based on:

- i. Climatic requirements (3marks)
- ii. Growth habit (3 marks)

(b) Explain the meaning of the following botanical names used in plant identification.(7marks)

- i. Purpurea
- ii. Palmatum
- iii. Nigra
- iv. Grandiflora
- v. Nanus
- vi. Edulis/esculentum
- vii. Capitalis

4. Write the following names correctly to show Hybrids and Variety (3marks)

i. *Solanum procurrens*

ii. *Fragaria ananassa*

5. Floriography refers to the art of communicating through the use or arrangement of flowers. Explain the meaning of the following flowers when used in communication.

(6marks)

i. Yellow carnation

ii. Red rose

iii. Orchid

iv. White Lilies

v. Cactus

vi. Tulips
