

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 29/03/2021
P.M.

11.30 A.M. – 1.30

INSTRUCTIONS:

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

1. State the meaning of the following epithets as used in plant identification. (5 marks)

- (a) Haplo.....
- (b) Oligo.....
- (c) Brevi.....
- (d) Flavus.....
- (e) Candidus....

2. (a) Complete the table by stating the scientific name and family. (4 marks)

S/no	Common name	Scientific name	Family
1	Aptenia		
2	Kei apple		
3	Pawpaw		
4	Mango		
5	Guava		
6	Jacaranda		
7	Macadamia		

8	Nandi flame		
9	Kales		
10	Mother-inlaw's-tongue		
11	Red hot porker		
12	Mother and chicks		
13	Money plant		
14	Spider plant		
15	Cowpea		
16	Orange		

(b) Describe the common features that could be used to identify plants in the family *caricaceae*. (4 marks)

3. (a) Describe the different methods used in plant identification. (5 marks)

(b) Explain why it is important to use botanical names in scientific communication. (1 mark)

4. Describe the steps followed when collecting specimens for identification.(5 marks)

5. Explain the difference between the following terms:

(i) Plant identification. (2 marks)

(ii) Plant classification (2 marks)

(iii) Plant description. (2 marks)
