

CHUKA



UNIVERSITY

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EXAMINATION FOR THE AWARD OF DIPLOMA IN HORTICULTURE

HORT 0212: PLANT IDENTIFICATION

STREAMS: DIP. HORTICULTURE

TIME: 2 HOURS

DAY/DATE: THURSDAY 23/09/2021
P.M.

11.30 A.M – 1.30

INSTRUCTIONS:

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

1. (a) Briefly describe any four features used in plant identification based on leaf arrangement. (4 marks)
- (b) Outline the six importance of plant identification. (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 of the following plants:
- (i) *Callistemon citrillus* (1 mark)
- (ii) *Aptenia cordifolia* (1 mark)
3. (a) Complete the table below with correct botanical names and family. (4 marks)

Common Name	Botanical name	
Tomato		

Water melon		
	Zingiber officinalis	
	Citrus aurantifolia	
Asparagus		Asparagaceae
Broccoli		Brassicaceae
Tree tomato		Solanaceae

(b) Explain why botanical names are 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. Describe the identification features common to the plants in the family Bromeliaceae. (6 marks)

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