

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE
IN HORTICULTURE

HORT 111: PRINCIPLES AND PRACTICES OF HORTICULTURE

STREAMS: BSC (HORT)

TIME: 2 HOURS

DAY/DATE: TUESDAY 11/04/2023

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- This paper has two sections A and B
- Section A accounts for 30 marks while section B accounts for 40 marks
- Section A is compulsory
- Answer any two questions in section B

SECTION A

- What is horticulture [2 marks]
 - Importance of horticulture [8 marks]
- Describe the main branches in horticulture [6 marks]
- Describe the importance of vegetables of human diets [6 marks]
- Discuss the following terms as used in propagation
 - Layering [3 marks]
 - Budding [2 marks]
 - Grafting [3 marks]
- Discuss classification of vegetables [15 marks]
 - Outline pest management strategies in horticulture [5 marks]
- Discuss the following field operations
 - Pruning [6 marks]
 - Staking [5 marks]
 - Training [5 marks]
 - Transplanting [4 marks]

HORT 111

7. (a) Define plant tissue culture [2 marks]
- (b) Describe the advantages and disadvantages of tissue culture [10 marks]
- (c) Discuss application of plant tissue culture [8 marks]
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