



***"Investing in Africa's Future"***

**COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES**

**NAHC 301: INTRODUCTION TO HORTICULTURE**

**END OF SECOND SEMESTER FINAL EXAMINATIONS**

**APRIL 2023**

**LECTURER: MR. MTAITA T. A.**

**DURATION: 3 HOURS**

***INSTRUCTION***

**Choose and answer Four questions Only**

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### **Question One**

- a). Analyze why horticulturists prefer the use of greenhouses over open fields. [5]
- b) Discuss the parameters and considerations when choosing and constructing a greenhouse project. [10]
- c). Examine the physiological basis of pruning and training of horticulture crops. [10]

### **Question Two**

- a) If you are charged to manage horticulture section on a farm, advise the owner of the farm on the ten basic equipment to purchase. [5]
- b) Examine practical methods that horticulturists can use to modify plant growth and development before transplanting from the horticulture nursery. [20]

### **Question Three**

- a) Clearly differentiate between kitchen gardening and market gardening [5]
- b) Analyze why societies should be encouraged to engage in horticulture. [20]

### **Question Four**

- a) Assess the future of horticultural science in Africa. [10]
- b) Examine the different methods used to classify horticulture plants. [15]

### **Question Five**

- a) Examine five advantages of vegetative propagation. [5]
- b) Using realistic examples, analyze the different vegetative propagation methods. [20]

### **Question Six**

- a) Examine any Five branches of horticulture. [5]
- b) Analyze the four major principles in horticulture science. [8]
- c) Using a crop of your own choice, present a detailed discussion of how high fruit quality is achieved by following appropriate practices in the growth – harvest cycle of the crop. [12]

**End of Examination Paper**