



“Investing in Africa’s future”

COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES

NAHC 301: INTRODUCTION TO HORTICULTURE

END OF SECOND SEMESTER FINAL EXAMINATIONS

MAY 2021

LECTURER: MR. MTAITA T. A.

DURATION: 7 HOURS

INSTRUCTIONS

1. Answer one question only
2. Download the question paper and work off line
3. Upload your answer in PDF format

Question One

- a. Examine the important aspects to consider before embarking on a horticultural venture. [30]
- b. With hundreds of thousands of plants used by mankind, it is impossible to talk about each one individually. Discuss at least ten horticultural classification systems to help us communicate similar ecological adaptation and cultural requirements. [30]
- c. Write an organized essay on any of the following topics; [40]
 - i) Tissue culture
 - ii) Mushroom production
 - iii) Propagation structure, or
 - iv) Compost and composting

Question Two

- a. Analyse critically the significance of horticulture in society. [20]
- b. Examine the realistic challenges facing the horticulture industry in Ethiopia, Mozambique, Malawi, Zimbabwe or any other African country and suggest some practical solutions to each challenge. [40]
- c. Discuss why horticulturists opt for vegetative propagation and examine with practical examples the different options available. [40]

Question Three

- a. Examine the direct and indirect methods that farmers can use to reduce frost damage to their plants. [20]
- b. As an extension officer, prepare a technical bulletin advising farmers on commercial uses of each of the five groups of plant growth regulators. [20]
- c. Analyse the concept of nurseries in horticulture science. [20]
- d. Write edifying notes on either plants in landscapes or pruning of horticultural plants. [20]
- e. With the aid of realistic examples, analyse the advantages and disadvantages of grafting. [20]

End of Examination Paper