



“Investing in Africa’s future”
**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL
SCIENCES**

NAHC 303: HARVESTING AND POST- HARVEST TECHNIQUES

END OF SECOND SEMESTER FINAL EXAMINATIONS

APRIL 2022

LECTURER: MR. MTAITA T. A.

DURATION: 3 HOURS

INSTRUCTION

Choose and answer Four Questions

Question One

- a) Write elaborative notes on storage physiology of horticultural crops. [10]
- b) Write an essay on “Quality Control Strategies used in Zimbabwe for horticultural export” [15]

Question Two

- a) What are the steps involved in establishing a maturity index? [5]
- b) Scholars in horticulture are in agreement that product quality is key in post-harvest technology. Using tomato as an example, present a detailed discussion on how fruit quality is achieved by following appropriate practices in the growth to harvest cycle of tomatoes [20]

Question Three

- a) Suggest the characteristics of a good maturity index. [5]
- b) Unpack the causes of post-harvest losses in Africa and suggest measures for betterment. [20]

Question Four

- a) Analyse the strengths and weaknesses of the two common harvesting methods in horticulture. [10]
- b) Examine the five general principles and characteristics of horticultural enterprises. [5]
- c) Discuss the various marketing strategies in horticulture. [10]

Question Five

- a) Discuss why producers are encouraged to invest in storage structures. [5]
- b) Discuss how to plan a post-harvest extension programme and discuss the different extension methods available for conducting useful post-harvest programmes. [20]

Question Six

- a) Prepare a table indicating the quality components in horticulture science. [10]
- b) Examine the causes and prevention of poor quality in cut flowers. [15]

End of Examination Paper