



"Investing in Africa's Future"

COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES

NAHC 303: HARVESTING AND POST- HARVEST TECHNIQUES

END OF SECOND SEMESTER FINAL EXAMINATIONS

APRIL 2023

LECTURER: MR. MTAITA T. A.

DURATION: 3 HOURS

INSTRUCTION

Chose and answer FOUR Questions Only

Question One

- a) Analyse the quality components of an agricultural produce. [5]
- b) Write an essay on “Quality control strategies used in Zimbabwe or any other African country” for horticultural exports. [20]

Question Two

- a) Analyse the basic potential and limitations associated with the two common harvesting methods in developing countries. [10]
- b) Examine the protocol in establishing or changing grade standards for a horticultural commodity. [7]
- c) Analyse the importance of grade standards in fresh agricultural or horticultural produce marketing. [8]

Question Three

- a) Examine five justifications for investing in storage facilities. [5]
- b) Discuss the biological and environmental factors influencing the deterioration of agricultural produce. [20]

Question Four

- a) Analyse the characteristics of a good maturity index in horticulture [5]
- b) Discuss how resource poor horticultural producers can prolong the shelf life of their produce in the absence of high technology cooling and storage structures. [20]

Question Five

- a) Analyse the theories and practices behind postharvest disease suppression by handling practices. [10]
- b) Examine how to plan a postharvest extension programme and analyse any five extension methods available for conducting a useful postharvest programme. [15]

Question six

- a) Write an essay titled “Maturity indices in horticulture”. [10]
- b) Unpack the challenges of harvesting and post-harvest techniques in developing countries and suggest practical solutions if any. [15]

End of Examination Paper