



“Investing in Africa’s future”

COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES

NAHC 402: VEGETABLE PRODUCTION

END OF FIRST SEMESTER FINAL EXAMINATIONS

NOVEMBER/ DECEMBER 2020

LECTURER: MR. MTAITA T. A.

DURATION: 24 HRS

INSTRUCTIONS

1. Download the examination paper from MOODLE and work offline
2. Choose and answer one question
3. Upload your response on Moodle in PDF format

NAHC 402: VEGETABLE PRODUCTION

Question One

- a) Clearly indicate reasons for vegetable rotation and with explanations, develop a vegetable rotation plan/system over a period of 4 years for one ha of land to cultivate; eggplant, potato, cauliflower, shallots, onions, peas and Carrots. **A garden map is mandatory.** [20]
- b) With the aid of practical examples, discuss the broad categories of the problems influencing vegetable production in developing countries. [30]
- c) Onion is one of the profitable vegetables for an individual venturing in vegetable production. Discuss the technologies necessary for maximizing onion yields. [25]
- d) As a horticulturist, specify how high yield of good quality tomatoes can be achieved. [25]

Question Two

- a) Discuss why it is imperative to consider principles like high quality, timely production, less wastage, and high management level when producing vegetables. [20]
- b) Prepare and Compare production budgets for potatoes and tomatoes and with reasons, recommend one of the crop to a resource poor farmer for market gardening. [30]
- c) Compare and contrast the field and greenhouse vegetable production protocol. [25]
- d) Survey the procedure to produce oyster mushrooms and clearly indicate why mushrooms are not common in supermarkets in developing countries. [25]

Question Three

- a) With reasons and practical examples discuss the different technologies necessary in maximizing vegetable production. [25]
- b) With reasons, discuss how high yield of good quality tomatoes can be attained. [25]
- c) Clearly assess the importance of vegetables in a society. [25]

- d) Explicitly, suggest technologies that will lead to maximum yield of onions.

[25]

END OF EXAMINATION PAPER