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UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER

MAIN EXAMINATION

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN; AGRICULTURE
AND BIOTECHNOLOGY, AGRICULTURE ECONOMICS AND
NATURAL RESOURCE MANAGEMENT**

COURSE CODE: ACR 311

COURSE TITLE: HORTICULTURE

DATE: 6TH DECEMBER 2023

TIME: 2 – 4 PM

INSTRUCTIONS TO CANDIDATES

Answer Question One and Any other TWO (2)

TIME: 2 Hours

This Paper Consists of 2 Printed Pages. Please Turn Over. 

QUESTION ONE: (COMPULSORY)**(30 MKS)**

- a) Define the following terms in horticulture (2 MARKS)
- i. Horticulture (2 MARKS)
 - ii. Floriculture (2 MARKS)
 - iii. Olericulture (2 MARKS)
 - iv. Pomology (2 MARKS)
 - v. Vegetable (4 MARKS)
- b) Describe the TWO types of planting as applied in horticulture
- c) Write short notes about the following vegetable types; (4 MARKS)
- i. Indigenous vegetables (4 MARKS)
 - ii. Exotic vegetables
- d) Outline FOUR factors that determine the location of a nursery bed in horticulture (8 MARKS)

QUESTION TWO

- a) Outline ANY FIVE types of packaging materials used in handling horticultural products. (10 MARKS)
- b) Classify vegetables according to the criteria of 'the part consumed'. (10 MARKS)

QUESTION THREE

Describe the requirements for growing Tuber vegetables (potato or white/irish/english potato (*Solanum tuberosum* L.)) under the following sub-topics;

- i. Field Establishment (5 MKS)
- ii. Field maintenance (5 MKS)
- iii. One Example of diseases and General disease control strategies (5 MKS)
- iv. Harvesting (5 MKS)

QUESTION FOUR

Describe FOUR major channels through which horticultural farm products could be marketed, giving advantages and disadvantages in each case. (20 MARKS)

QUESTION FIVE

Describe the following methods of vegetative propagation, giving advantages and disadvantages of each. (10 MARKS)

- i. Grafting (10 MARKS)
- ii. Budding