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**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY**  
*(University of Choice)*  
**(MMUST)**

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2022/2023 SECOND YEAR SEMESTER II MAIN EXAMINATION

FOR THE DEGREE OF  
BSC. IN AGRICULTURAL EDUCATION AND EXTENSION

**ODEL**

COURSE CODE: ACR 202

COURSE TITLE: PRINCIPLES AND PRACTICES OF HORTICULTURE

DATE: 24<sup>TH</sup> APRIL 2023

TIME: 12 - 2 PM

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MMUST observes ZERO tolerance to examination cheating.

**Instructions**

ANSWER ALL QUESTIONS

Q1. Define the term Horticulture and explain the scope of horticulture. (10 mks).

Q2. List and discuss cultural practices carried out on trees (10 mks).

Q3. Discuss the principles that progressive farmers should follow to realize the advantage/benefits of crop rotation.

Q4. Discuss the following practices in horticultural crops under the following headings. (10mks)

- a. Depth of seed sowing.
- b. Pricking.
- c. Chilling Injury.
- d. Effect of temperature on the colour of tomatoes.

Q 5. Discuss the constraints/ challenges or problems of Kenya fruit and vegetable industry.

Q6. Maturity means a state of ripeness or readiness for consumption. Explain the methods used to determine maturity(maturity indices in fruits and vegetables. (10mks).

Q7. State and describe various structures used to manipulate crop environment.