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(University of Choice)

MASINDE MULIRO UNIVERISTY OF SCIENCE AND TECHNOLOGY

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

**2021/2022 ACADEMIC YEAR
FIRST YEAR FIRST SEMESTER EXAMINATIONS**

MAIN EXAM

CERTIFICATE IN GENERAL AGRICULTURE

COURSE CODE: CAG 020

COURSE TITLE: HORTICULTURAL CROP PRODUCTION

DATE: 19TH APRIL, 2022 TIME: 3-5pm

INSTRUCTIONS TO STUDENTS

**Answer all questions in section A
Answer any TWO questions in section B**

MMUST observes ZERO tolerance to examination cheating

SECTION A: 30 MARKS

QUESTION ONE

What is horticulture? (2marks)

QUESTION TWO

Define the following terminologies:

- i. Floriculture (2 marks)
- ii. Olericulture (2 marks)
- iii. Pomoculture (2 marks)
- iv. Arboriculture (2 marks)
- v. Pre-Cultivation Preparation (2 marks)
- vi. Post-Cultivation Preparation (2 marks)

QUESTION THREE

Differentiate between Spices and condiments while giving examples (2marks)

QUESTION FOUR

Explain four importance of Horticulture in National Economy (4marks)

QUESTION FIVE

Outline four Pre-cultivation preparation (4marks)

QUESTION SIX

State factors to consider when siting a nursery bed (4marks)

QUESTION SEVEN

What is a farm layout (2marks)

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

QUESTION NINE

- a) What is a plan (2marks)
- b) Discuss four guiding principles in the preparation of a plan (8marks)
- c) Describe factors that are considered when spacing horticultural crops (10marks)

QUESTION TEN

- a) What is Propagation
- b) State two types of propagation and in each give two examples (2marks)
- c) Discuss the role of horticulture in human nutrition (16marks)

QUESTION ELEVEN

- a) State four factors to consider when selecting plants from the nursery bed (4marks)
- b) Discuss the influence of environmental factors on horticultural crop production (16marks)