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(University of Choice)

MASINDE MULIRO UNIVERISTY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

**2021/2022 ACADEMIC YEAR (REGULAR)
FIRST YEAR FIRST SEMESTER MAIN
EXAMINATIONS DIPLOMA IN HORTICULTURE**

COURSE CODE: DAH 065

COURSE TITLE: PRINCIPLES AND PRACTICES OF HORTICULTURE

DATE: 25TH APRIL, 2022

TIME: 12-2PM

INSTRUCTIONS TO STUDENTS

Answer all questions in section A

Answer any TWO questions in section B

Total Marks=70

MMUST observes ZERO tolerance to examination cheating

SECTION A: ANSWER ALL QUESTIONS(30MARKS)

1. State FOUR characteristics of a good face plant **(4marks)**
2. Define the following terminologies:
 - a. Floriculture**(1 mark)**
 - b. Olericulture**(1 mark)**
 - c. Pomoculture**(1 mark)**
 - d. Arboriculture**(1 mark)**
 - e. Pre-Cultivation Preparation**(1 mark)**
 - f. Post-Cultivation Preparation**(1 mark)**
3. State FOUR importance of horticulture to Kenyans economy **(4marks)**
4. Explain FOUR qualities of a good fence **(4marks)**
5. What is farm layout **(2marks)**
6. State FOUR factors to be considered before choosing a system layout **(4marks)**
7. Outline SIX management practices carried out on tomatoes planted under controlled condition. **(6marks)**

SECTION B: ANSWER ANY TWO QUESTIONS(40MARKS)

1. Discuss post-harvest handling of cut flowers to enhance shelf life.**(20 marks)**
2. Describe greenhouse tomato growing under the following headings:
 - (a) Transplanting **(6 marks)**
 - (b) Training **(6 marks)**
 - (c) Temperature and humidity management. **(8 marks)**
3. a) Discuss role of horticulture in human nutrition **(10marks)**
b) Discuss Influence of environmental factors on horticultural crop production**(10marks)**