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DAH 092

University of choice

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS 2023/2024 ACADEMIC YEAR; SEMESTER TWO

MAIN EXAM OF DIPLOMA IN HORTICULTURE

COURSE CODE: DAH 092

COURSE TITLE: GREENHOUSE MANAGEMENT

DATE: 8.04.2024 **TIME: 3-5PM**

INSTRUCTIONS TO CANDIDATES

This paper is divided into two sections, **A and B**. Answer **ALL** Questions in SECTION A and any **TWO** in SECTION B

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

SECTION A: ANSWER ALL QUESTIONS (40 MARKS)

Q1. What are the functions of a greenhouse? **(6 marks)**

Q2. Briefly discuss greenhouse types based on construction. **(6 marks)**

Q3. What are the functions of auxins in controlling growth in floriculture industry?

(6 marks)

Q4. Write short notes on the criteria for the design of plastic film greenhouses.

(6 marks)

Q5. Outline the commercial applications of Ethylene. **(6 marks)**

Q6. How is CO_2 concentration monitored in a greenhouse? **(4 marks)**

Q7. What factors influence the choice of structural materials in greenhouse construction? **(6 marks)**

SECTION B: ANSWER ANY TWO QUESTIONS (30 MARKS)

Q8. Discuss the watering systems in greenhouse management. **(15 marks)**

Q9. Discuss the factors to be considered while selecting greenhouse coverings.

(15 marks)

Q10. Integrated pest management (IPM) is a holistic approach to managing diseases, insects, and mites in the greenhouse, using the best tools, tactics, and strategies to control pests with the least disruption to the environment. Discuss the components that should be included for a successful IPM program. **(15 marks)**