



MURANG'A UNIVERSITY OF TECHNOLOGY
SCHOOL OF AGRICULTURE AND ENVIRONMENTAL
STUDIES

DEPARTMENT OF AGRICULTURE

TVET EXAMINATION

2023/2024 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN
HORTICULTURE

H0/CU/NM/CR/03/6/B: NURSERY PLANTING MEDIA PREPARATION

DURATION: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

1. Answer question one and any other two questions.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION

QUESTION ONE (30 MARKS)

- a. Define food safety and give any 4 importance in relation to plant media preparation. (5 marks)
- b. State 5 principles of food safety in relation to plant media preparation. (5 marks)
- c. State at least 5 standard sanitary operating procedures used in planting media preparation. (5 marks)
- d. Define the following terms: (5 marks)
 - i. Biological hazard
 - ii. Critical limit
 - iii. Cross contamination
 - iv. Hazard
 - v. Critical control point
- e. What are some of the objectives of record keeping? (5 marks)
- f. Discuss any five international standards and regulation in relation to food safety. (5 marks)

SECTION B – ANSWER ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

Risk assessment is a structured process that involves identifying potential risk, analysing their potential impact and developing strategies to mitigate or manage them. Discuss the steps followed when conducting a risk assessment.

(20 marks)

QUESTION THREE (20 MARKS)

Discuss the procedure used in development of food safety management plan. (20 marks)

QUESTION FOUR (20 MARKS)

- a. Discuss six legislations that may set standard for planting media preparation in Kenya. (12 marks)
- b. Discuss any four such standards that any planting media must meet in order to provide quality products. (8 marks)

QUESTION FIVE (20 MARKS)

Elaborate on any 6 prerequisite programs that are applicable in planting media preparation. (20 marks)

