

**081204T4HNM**

**Horticulture Nursery Management Level 4**

**HO/OS/NM/CR/06/4/B**

**Produce Vegetable Seedlings**

**July/August 2023**



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION  
COUNCIL (TVET CDACC)**

**WRITTEN ASSESSMENT**

**Time: 2 hours**

**INSTRUCTIONS TO CANDIDATES**

1. The paper consists of TWO sections: A and B
2. Answer ALL questions in sections A and B.
3. Marks for each question are indicated in brackets.
4. Do not write on this question paper.
5. Write your answers in the answer booklet provided.

*This paper consists of FOUR (4) printed pages.*

*Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.*

**SECTION A: 10 MARKS**

*Answer all questions in this section. Each question is one mark.*

1. Direct sowing is a recommended method of establishing \_\_\_\_\_.
  - A. Carrots
  - B. Cabbages
  - C. Eggplants
  - D. Tomatoes
2. \_\_\_\_\_ is a benefit of mulching in dry areas.
  - A. Suffocating soil pests.
  - B. Reducing evaporation and moisture retention
  - C. Providing warmth to the plant roots.
  - D. Provide instant nutrients
3. \_\_\_\_\_ is a bulb vegetable.
  - A. Tomato
  - B. Garlic
  - C. Spinach
  - D. Cauliflower
4. The importance of removing weeds by their roots is \_\_\_\_\_.
  - E. To prevent the spread of weeds through seed dispersal
  - F. To prevent weeds from attracting pests
  - G. To prevent weed competition for pollinators
  - H. To enhance the flavour of the vegetable seedlings
5. \_\_\_\_\_ is a hand tool is used to level a tilled land.
  - A. Jembe
  - B. Panga
  - C. Rake
  - D. Spade
6. Choose a precaution that you should observe when watering vegetable seedlings.
  - A. Overwatering the seedlings
  - B. Watering any time the seedling appears wilted
  - C. Use of chlorinated water
  - D. Watering early in the morning or late in the evening

7. The purpose of preparing vegetable seedlings for dispatch is \_\_\_\_\_.
- A. To harvest the seedlings
  - B. To package and ship the seedlings to customers
  - C. To transplant the seedlings to the field or garden
  - D. To conduct quality control checks on the seedlings.
8. While working in a vegetable seedlings nursery you should \_\_\_\_\_
- A. Washing hands after visiting the toilet
  - B. Dispose waste on the unused beds.
  - C. Working when you have partially covered wounds.
  - D. Leaving your personal belongings at the nursery.
9. \_\_\_\_\_ is not a reason for using certified seeds to establish vegetable seedlings.
- A. High germination percentage
  - B. Low yield
  - C. Free from impurities
  - D. Resistance to pests and diseases
10. Which of the following is an effect of pesticide on vegetable seedlings?
- A. Improve the seedlings
  - B. Pesticides refreshes the air
  - C. Killing of important organisms in the environment
  - D. Can promote the buying of vegetable seedlings

**SECTION B: 40 MARKS**

*Answer all questions in this section*

11. List THREE types of nursery beds. (3marks)
12. State FIVE reasons for thinning seedlings in a nursery bed. (5marks)
13. Highlight FIVE reasons for packaging vegetable seedlings. (5 marks)
14. State FIVE nursery management practices. (5marks)
15. Highlight THREE reasons for using a clean media to establish vegetable seedlings nursery. (3 marks)
16. Highlight FOUR factors to consider for spraying when producing vegetable seedlings. (4 marks)
17. State SIX factors considered when choosing a site for a nursery bed establishment. (6marks)
18. State FOUR benefits of record keeping in a nursery establishment. (4 marks)
19. Highlight FIVE categories of vegetables that you can use to establish a nursery. (5marks)