

081206T4HPN

Horticultural Producer Level 6

HO/OS/HP/CR/10/6/B

Produce Vegetable Crops

July/Aug. 2023



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

WRITTEN ASSESSMENT

Time: 3 hours

INSTRUCTIONS TO CANDIDATES

- 1. The paper consists of **TWO** sections: **A** and **B**.*
- 2. Answer **ALL** questions in sections **A** and any **THREE** questions in section **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.*
- 6. Answer the questions in **English**.*

This paper consists of three (3) 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: (40 MARKS)

Answer all questions in this section.

1. Naomi wants to establish Kales nursery bed in her farm. State FOUR factors she would consider. (4 marks)
2. As a vegetable producer state FOUR maturity indices in Garden peas. (4 marks)
3. Outline THREE criteria used to grade Carrot for marketing. (3 marks)
4. Identify FOUR pests that attack Asparagus plant. (4 marks)
5. As a horticulture expert advice Mr. John on FOUR ecological requirements he would consider before establishing Brinjals. (4 marks)
6. Highlight FOUR methods of control Bacteria Wilt in Spinach. (4 marks)
7. State FOUR characteristics of extra fine grade of French beans. (4 marks)
8. Highlight FOUR records kept in vegetable production. (4 marks)
9. Outline FOUR causes of blossom end rot in tomato production. (4 marks)
10. Highlight FOUR symptoms of nitrogen deficiency in vegetable crops. (4 marks)

SECTION B: (60 MARKS)

Answer any three question from this questions.

11. You are horticulturalist working with aspiring farmers who are interested in growing Cucumber as part of their training discuss;
- a) Scientific name; (2 marks)
 - b) Varieties; (3 marks)
 - c) Explain FIVE factors to consider when selecting planting varieties; (10 marks)
 - d) Postharvest practices. (5 marks)
12. Farmers in Kisaju have been using chemicals to control pest on their farms which has cause a lot of environmental hazards. Discuss the cultural measures you would advise them to adopt. (20 marks)
13. a) You are a horticulture expert working for a local farming community. The farmers have been facing a significance problem with Black rot disease affecting their Cabbages crop. Discuss cause, symptoms and control measures of Black rot. (10 marks)
- b) Explain FIVE reason for staking in tomatoes production. (10 marks)
14. a) You are an agricultural consultant working with a group of farmers in Kenya who are in interested in starting commercial vegetable production farm. As part of advisory session discuss factors that influence the production of vegetable for commercial purpose. (16 marks)
- b) Highlight FOUR advantages of biological pest control in Cauliflower. (4 marks)