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081104T4AEX**AGRICULTURE EXTENSION LEVEL 4****AGR/OS/EXT/CR/01/4/A****Establish Agricultural Crops****July/August 2025**

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

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WRITTEN ASSESSMENT**Time: 2 HOURS**

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INSTRUCTIONS TO CANDIDATE

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1. This paper consists of two sections; A and B

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2. Answer ALL the question as guided in each section

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3. Marks for each question are as indicated in the brackets**4. You are provided with 4 sections**

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5. Do not write in this question paper**This paper consists of FOUR (4) printed pages Candidates should**

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

SECTION A (10 MARKS)

Answer all questions in this section. Each question carries one mark

1. Leguminous crops are used rming to fix nitrogen in the soil, identify a leguminous crop from the list below.

- A. Maize
- B. wheat
- C. Beans
- D. Millet

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2. Which one of the following is an example of a soil sampling tool/equipment?

- A. Axe.
- B. Bucket
- C. Tractor
- D. Trolley

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3. Identify the personal protective equipment used when carrying out land preparation.

- A. Gumboots
- B. Face shield
- C. Googles
- D. Headshield

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4. Which one method of improving soil fertility?

- A. Soil erosion
- B. Adding Water
- C. Burning fodder
- D. Adding Manure

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5. Identify a farm record used during crop establishment process.

- A. Purchase request
- B. G
- C. Balance sheet
- D. Daily diary

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6. _____ is a major reason for carrying out secondary cultivation?

A. To make the land look smart

B. To improve land for sowing

C. To increase the size of the land

D. To improve the yield capacity

7. Minimum tillage is of reducing soil disturbance. Select a method used when practicing minimum tillage.

A. Furrow irrigation

B. Primary tillage

C. Spraying weeds

D. Pest scouting

8. Removing excess vegetable seedlings from the nursery before transplanting is called?

A. pruning

B. Pricking

C. Trellising

D. Thinning

9. Identify a method of controlling weeds in a rice farm.

A. Manuring

B. Irrigation

C. Flooding

D. Ridging

10. _____ is an implement used in primary cultivation.

A. Spring tine Harrow

B. Disc Plough

C. Seed drill

D. Bo

SECTION B (40 MARKS)***Attempt ALL questions in this section.***

11. List FOUR advantages of minimum tillage in farming (4 Marks)
12. State FOUR common farm activities you undertake regularly in the process of crop establishment. (4 Marks)
13. As a farm attendant, you are required to carry out irrigation in the farm. State FOUR methods of irrigation you would use. (4 Marks)
14. State FOUR characteristics of a good vegetative planting material. (4 Marks)
15. Identify FOUR advantages of cover cropping. (4 Marks)
16. Outline FOUR precautions taken when storing dangerous chemicals in a farm store. (4 Marks)
17. State FOUR disadvantages of using seeds as a planting material in the farm. (4 Marks)
18. List FOUR factors to consider when determining the depth of planting. (4 Marks)
19. Identify FOUR factors to consider when establishing sorghum. (4 Marks)
20. State FOUR reasons for earthing up root and tuber crops. (4 Marks)