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LEVEL 4

Demonstrate Environmental Literacy

July/August 2025

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

WRITTEN ASSESSMENT

TIME: 2 HOURS

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INSTRUCTIONS TO CANDIDATE

1. This paper consists of **TWO** sections **A** and **B**.
2. Attempt **ALL** the questions in each section as guided.
3. Marks for each question are indicated in the brackets.
4. You ~~with~~ a separate answer booklet to answer the questions.
5. ~~Do not~~ write on the question paper.

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This paper consists of FOUR (4) printed pages.

Candidate should check the question paper to ascertain that all pages are printed as

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indicated and that no questions are missing.

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SECTION A (10 MARKS)***Attempt ALL question in this section******question carries one mark***

1. Which one of the following is an impact of air pollution?
- A. Soil erosion
 - B. Respiratory diseases
 - C. Hearing problem
 - D. Deforestation
2. What is the most sustainable way to manage water resources?
- A. Over irrigation
 - B. Rain water harvesting
 - C. Draining wet lands
 - D. Leaving taps running
3. Which one of the following is an example of controlling environmental hazards?
- A. Ignoring chemical leaks
 - B. Using protective gloves
 - C. Dumping waste in rivers
 - D. Burning hazardous waste
4. Which is the best PPE for protection against head injury?
- A. Gloves
 - B. Face mask
 - C. Face shield
5. _____ is a source of water pollution.
- A. Agricultural run off
 - B. Deforestation
 - C. Rainfall
 - D. Precipitation
6. How can it be controlled?
- A. Dumping industrial waste on land
 - B. Using natural compost instead of chemicals

C. Using synthetic fertilizers heavily

D. Spraying pesticides excessively

7. _____ is the m forest in Kenya

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A. Fire

B. Pest

C. Disease

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D. Encroachment

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8. The following are causes of floods in Kenya. Which one is NOT?

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A. Over irrigation

B. Excess rainfall

C. Pest and diseases

D. Deforestation

9. Which practice demonstrates sustainable use of forest resource.

A. Clear cutting

B. Controlled logging with replanting

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urning trees for fuel

D. Hunting wildlife

10. What is the benefit of embracing paperless technology?

A. To conserve resources

B. To reduce wastage of time

C. To reduce cost of technology

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D. healthy environment

SECTION B (40 MARKS)***Attempt ALL the question in this section***

11. State FOUR criteria using tanks and containers for storing hazardous waste. (4 Marks)
12. Name FOUR methods of disposing solid waste. (4 Marks)
13. Identify THREE source of carbon dioxide in atmosphere. (3 Marks)
14. State THREE methods of solid waste treatment. (3 Marks)
15. Mention THREE effects of deforestation on the environment. (3 Marks)
16. State TWO benefits of the 3 R, s (reuse, recycle, reduce) as a management. (2 Marks)
17. List FOUR renewable sources of energy. (4 Marks)
18. State FOUR benefits of using resource efficiency system in an organization. (4 Marks)
19. Give TWO criteria used in classifying environmental resources. (2 Marks)
20. State THREE ways of reducing plastic waste in the environment. (3 Marks)
21. State FOUR effects of noise pollution. (4 Marks)
22. Mention FOUR sustainable ways of managing water resources. (4 Marks)