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LEVEL 6

Demonstrate Environmental Literacy

November/December 2025

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

WRITTEN ASSESSMENT

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Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE

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1. Marks for each question are indicated in the brackets.
2. The paper consists of **TWO** sections: **A** and **B**.
3. Candidates are provided with a separate answer booklet
4. **DO NOT** write on this question paper.

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This paper consists of THREE (3) printed pages
Candidates should check the question paper to ascertain that all
pages are printed as indicated and that no questions are missing.

SECTION A (40 MARKS)

Answer ALL the questions in this section.

1. Kyoto Protocol is an international treaty that was agreed upon in 1997. List FOUR gases whose release into the atmosphere are controlled under the Kyoto Protocol
(4 Marks)
2. It is important to identify the amount of resources used within an organization. State FOUR methods of measuring resource use.
(4 Marks)
3. Reducing air pollution requires a combination of individuals' actions, community efforts and policy changes. Highlight FOUR ways on how individual actions can be used as an effective strategy to reduce air pollution.
(4 Marks)
4. Natural hazards are common to most parts of the world. State FOUR examples of Natural hazards.
(4 Marks)
5. Environmentally hazardous materials must be properly stored to avoid contamination. Outline FOUR ways of storing hazardous material according to Occupational Safety and Health standard (OSHS).
(4 Marks)
6. Data collection is a requisite in analyzing work processes in an organization. List FOUR tools used in data collection.
(4 Marks)
7. The main objective of public participation is to obtain feedback on proposed project. State FOUR uses of feedback.
(4 Marks)
8. Conservation plans are required within various organizations. Outline FOUR benefits of developing a resource conservation plan
(4 Marks)
9. There are various environmental laws in Kenya. Highlight FOUR benefits of environmental laws in Kenya.
(4 Marks)
10. Kenya is in the process of industrialization and becoming a regional hub for Information Communication Technology. However, this presents increase in electronic waste. State FOUR challenges associated with management of electronic waste
(4 Marks)

SECTION B (60 MARKS)***Answer Any THREE Questions in This Section***

11.

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- a) Information is collected through objectives or indicators that are SMART.

Explain the meaning of SMART objectives as used in environmental data

gathering (10 Marks)

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- b) The ISO 20400 has addressed several issues Explain FIVE issues addressed by

ISO 20400 (Sustainable Environment) (10 Marks)

12.

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- a) There is a new urge for organizations to adopt a circular economy. Explain FIVE benefits of adopting a Circular Economy in an organization (10 Marks)

- b) On a day-to-day operation, resources are being depleted. Describe FIVE causes of resource depletion (10 Marks)

13.

- a) Kenya is in the process of increasing her forest cover by 10% and expected to

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plant Ten (10) billion trees by 2032. Explain FIVE benefits of forest

(10 Marks)

- b) Pollution affects various areas of an economy. Explain FIVE impacts of air pollution

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(10 Marks)

14.

- a) Your community plans to establish a communal project to improve their

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livelihoods. As an expert selected by the community, discuss SIX ways you

can use to identify relevant programmes. (12 Marks)

- b) There are always problems to be solved within a given project. Outline FOUR

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steps you can adopt to solve problems in the process of implementing project

identified in (14a) above. (8 Marks)

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