

LEVEL 5

Demonstrate Environmental Literacy

March/April 2026



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

WRITTEN ASSESSMENT

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATE

1. This paper consists of **TWO** sections: **A** and **B**.
2. Answer **ALL** questions in section A and **ANY THREE** (3) questions in section B.
3. Marks for each question are indicated in the brackets.
4. Candidates are provided with a separate answer booklet
5. Do not write on the question paper.

This paper consists of THREE (3) printed pages

Candidate 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 questions in this section

1. In a workplace where chemicals and cleaning agents are frequently used, improper storage may pose serious environmental and health risks. State FOUR safe storage requirements for environmentally hazardous materials in such a workplace. (4 Marks)
2. A workshop generates waste such as used oils, chemical containers and contaminated materials during its daily operations. Identify FOUR approved disposal methods for the hazardous waste in compliance with environmental regulations. (4 Marks)
3. Workers handling hazardous substances are exposed to risks that may affect their health and the environment. Give FOUR purposes of using Personal Protective Equipment (PPE) when controlling environmental hazards. (4 Marks)
4. Stakeholder involvement plays an important role in environmental management. State FOUR benefits of involving stakeholders in environmental management programs. (4 Marks)
5. Proper solid waste management is a legal requirement under environmental laws. Identify FOUR practices used in solid waste management that promote environmental protection. (4 Marks)
6. In many workplaces, wasteful practices affect overall operational efficiency. Outline FOUR methods used to minimize wastage of resources in the workplace. (4 Marks)
7. Sustainable resource use requires organizations to adopt environmentally friendly waste management practices. State the FOUR principles of the 7Rs as applied in workplace waste management. (4 Marks)
8. To improve efficiency, an organization must understand how its resources are currently being used. Identify FOUR ways of evaluating current resource usage in a workplace. (4 Marks)
9. As a worker in a chemical industrial organization, state FOUR roles you would play in ensuring compliance with environmental safety and protection standards. (4 Marks)
10. Environmental programs must be monitored to ensure they achieve their intended objectives. Give FOUR benefits of monitoring environmental protection programs in an organization. (4 Marks)

SECTION B (60 MARKS)

Answer THREE questions in this section

11. Environmental pollution remains a major challenge in many workplaces due to increased production activities and poor waste handling.
- a) Describe FIVE methods used to control noise pollution in an organization. (10 Marks)
 - b) Explain FIVE negative effects of poor waste management on the environment and the surrounding community. (10 Marks)
12. An organization has realized that its operational costs are rising due to inefficient use of water, energy and raw materials.
- a) Explain FIVE methods used to promote sustainable resource use within the organization. (10 Marks)
 - b) Describe FIVE benefits of practicing sustainable resource management at the workplace. (10 Marks)
13. Your organization plans to introduce an environmental protection program to improve compliance with environmental policies and community expectations.
- a) Describe FIVE actions followed when implementing an environmental program in an organization. (10 Marks)
 - b) Explain FIVE methods used to monitor and evaluate environmental protection activities to ensure effectiveness. (10 Marks)
14. Compliance with environmental laws requires organizations to understand legal obligations and respond appropriately to environmental incidents.
- a) Describe FIVE environmental legislations in Kenya that address environmental concerns. (10 Marks)
 - b) Explain FIVE actions taken when an environmental incident occurs in a workplace to ensure compliance and safety. (10 Marks)

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