

**LEVEL 4**

**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: 2 HOURS**

**INSTRUCTIONS TO CANDIDATE**

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1. This paper consists of two sections; **A** and **B**
2. Answer question as guide done
3. Marks for each question are as indicated
4. You are provided with a separate answer booklet to answer the questions
5. Do not write in this question paper

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**This paper consists of FOUR (4) printed pages**

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**Candidates should 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. Which is the best definition of "Sustainable Development"?

- A. Development that meets the needs of the present without compromising the ability of future generations to meet their own needs
- B. Development that focuses solely on economic growth

C. Development that prioritizes urban expansion

2. D. Development that ignores environmental impacts

Which of the following is a key principle of environmental management?

- A. Exploiting natural resources
- B. Ignoring environmental laws
- C. Integrating environmental considerations into decision-making
- D. Prioritizing economic growth over environmental health

3. Environmental hazards are divided into the following categories except \_\_\_\_\_

- A. Acute toxicity
- B. Aquatic toxicity

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- C. Chronic Aquatic Toxicity
- D. Acute Aquatic Toxicity

4. Which of these scenario is an example of Reusing as waste management?

- A. Using of water from washing clothes to clean the house
- B. Cooking food with consideration of the number of guests

C. Using of used plastic bottles to make plastic threads

D. Controlling number of plastic bottles in a household

5. The following are examples of human resource except. \_\_\_\_\_

- A. Skills
- B. Building
- C. Knowledge
- D. Labour

6. said to be reactive if \_\_\_\_\_

- A. It has pH of less than 2 or more than 12.5
- B. It is unstable, reacts aggressively with water

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- C. It can burn and easily catches fire
- D. It can cause damage to living organisms

7. Select the ODD O

A. Blood

B. Fungi

C. Pesticide

D. Animal droppings

8. The following are consequences of water pollution except

A. Threat to marine life

B. Eutrophication

C. Bioaccumulation

D. Disruption of the marine ecosystem

9. Which of the following best defines Muller-Wenk and operationalized Eco-indicator?

A. Takes into account all resource consumption in the form of lost energy

B. Analyses available energy that is lost in the cause of material and energy

transformation

C. Based on analyzing output in relation to input

D. Evaluates the effect on future generations by examining the future additional investments due to extraction of resources in it

10. Resource efficiency system enables an organization to achieve the following, except

A. output

B. Cast reduction

C. Sustainable development

D. Environmentally friendly

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

11. Highlight FOUR approaches that can be used to enhance efficiency in recycling (4 Marks)
12. Differentiate between Actual and Potential resources (4 Marks)
13. State FOUR air pollution (4 Marks)
14. Collecting suppliers' information is essential in analyzing purchasing strategies of an organization. State FOUR used of data in a (4 Marks)
15. Outline the FOUR steps followed when developing resource efficiency system (4 Marks)
16. State FOUR waste management procedures (4 Marks)
17. Highlight FOUR ways that can be used to enhance efficient recycling at workplace (4 Marks)
18. Write reasons why students fail to wear personal protective equipment in laboratories and workshops during practical sessions (4 Marks)
19. Highlight FOUR stakeholders that are to be involved in creating environmental awareness at a primary school near your location. (4 Marks)
20. List FOUR main classification of waste according to National Environment Management Authority (NEMA) (4 Marks)

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