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LEVEL 6

Demonstrate Environmental Literacy

July/August 2025

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

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WRITTEN ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATE

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1. This paper consists of **TWO** sections: **A** and **B**.
2. Attempt **ALL** questions in section A.
3. Attempt Question **ELEVEN** (11) and any other **TWO** (2) questions in section B.
4. Marks for each question are indicated in the brackets.
5. Candidates are provided with a separate answer booklet
6. Do not write on the question paper.

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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.

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

1. A recent study shows increased dumping of old computers and phones in open spaces in a city. State FOUR environmental effects of poor electronic waste disposal. (4 Marks)
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2. Urban flooding is a common occurrence during heavy rainfall season. Identify FOUR ways environmental principles can help reduce flooding. (4 Marks)
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3. An environmental officer is helping an organization track its pollution levels. Enumerate FOUR ways an organization can monitor its pollution. (4 Marks)
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4. A construction company aims to design eco-friendly buildings. List FOUR techniques to reduce carbon footprint in building designs. (4 Marks)
5. A county government is doing a review on land use practices. Mention FOUR ways how land use planning can benefit both human needs and natural ecosystems. (4 Marks)
6. A small factory is concerned with waste water disposal. Outline FOUR environmental protection guidelines it should follow when disposing off wastewater. (4 Marks)
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7. Residents of a rural town often report stagnant water and blocked drainage as a result of poor drainage systems. List FOUR environmental risks that may arise from this. (4 Marks)
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8. Public spaces such as parks and recreational facilities are often misused. State FOUR environmental laws that protect these areas. (4 Marks)
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9. Environmental hazards cause numerous effects. Identify FOUR categories of environmental hazards. (4 Marks)
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10. A conservationist is teaching students why protecting animals and plants matters. State FOUR roles of biodiversity in maintaining environmental balance. (4 Marks)
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SECTION B (60 MARKS)***Attempt Question No. 11. (Compulsory) And Any Other TWO Questions in This Section***

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11. In a certain part of the country, environmental challenges have become frequent and severe.

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The area has seen a steady rise in drought and loss of vegetation due to deforestation, soil erosion, and air pollution. These issues are worsened by poor land use planning, illegal

logging, and limited community knowledge on environmental protection. In response, the

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government has partnered with a local technical training institute to launch an environmental conservation and educational program to help manage this issue.

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a) Explain FIVE environmental issues affecting the area in the case study. (10 Marks)

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b) Discuss FIVE sustainable development strategies adopted by the government for environmental conservation. (10 Marks)

12. Informal settlements in major towns face sanitation challenges leading to environmental degradation.

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a) Explain FIVE ways how poor sanitation contributes to environmental degradation.

(10 Marks)

b) Describe FIVE actions informal settlements can adopt to improve their sanitation.

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(10 Marks)

13. A trainee is assigned to conduct an environmental audit in a paper-making industry.

a) Describe the first FIVE steps of carrying out environmental audit. (10 Marks)

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b) Explain FIVE indicators that would show improvements in the workshop's

environmental performance

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(10 marks)

14. A carpentry workshop at an institution generates timber offcuts and sawdust daily.

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a) Describe FIVE environmentally friendly methods of managing timber offcuts and sawdust in the workshop. (10 Marks)

b) Explain FIVE environmental impacts that can be reduced by applying reuse and recycling techniques in workshop settings. (10 Marks)

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