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LEVEL 5

Demonstrate Environmental Literacy

July/August 2025

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

WRITTEN ASSESSMENT

TIME: 3 HOURS

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INSTRUCTIONS TO CANDIDATE

1. This paper consists of **TWO** sections: **A** and **B**.
2. Attempt **ALL** questions in section A.
3. Attempt question **TWELVE** (12) and any other **TWO** (2) questions in section B.
4. Marks for 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 FOUR (4) printed pages

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Check the question paper to ascertain that all pages are printed as

indicated and that no questions are missing.

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

1. The recycling process involves the transformation of dumped items into a new item. State THREE advantages of recycling waste. (3 Marks)
2. About a quarter of the world's population depends on Forests as a natural resource to make a living. Outline MA in managing forests as a resource. (3 Marks)
3. At construction sites, encountering biological hazards is more likely to happen during demolition, groundwork, or refurbishment. State FOUR types of storage tanks and containers for hazardous waste (4 Marks)
4. Environmental sustainability strikes a balance between nature and natural resources. State FOUR criteria for categorizing resources. (4 Marks)
5. Solid waste can have serious environmental and health impacts if left uncollected and untreated. State FOUR solid waste disposal methods. (4 Marks)
6. Heightened temperatures, rise in sea levels, melting of ice from cooler regions, and loss of biodiversity are signs of global warming. State FOUR gases that contribute to global warming (4 Marks)
7. Workers from a construction site have reported psychological effects from noise such as depression, tiredness, stress attack, anxiety and irritability. State FOUR measures of controlling noise pollution in the site. (4 Marks)
8. Trainees have been assigned to conduct research on environmental trends. Identify FOUR data they can employ. (4 Marks)
9. To ensure sustainability, businesses must comply with environmental standards. Mention two local ordinances relevant to pollution control in the country. (2 Marks)
10. In an environmental program, residents and stakeholders are educated on sustainable practices. State THREE importance of education and awareness during program implementation. (3 Marks)
11. The hierarchy of controls should be adhered to when evaluating the risks associated with specific hazards. List FIVE risk management techniques in the order of their effectiveness. (5 Marks)

SECTION B (60 MARKS)**Attempt Question No. 12. (Compulsory) And Any Other TWO Questions in This Section**

12. A new resort is being built in a small coastal town. This region is habitat to extensive mangrove forests and supports the livelihoods of local fishing communities. While the developers highlight the potential for increased tourism and job creation, environmental groups have raised concerns. They warn that the construction could harm the mangrove ecosystem and lead to the displacement of local residents.

- a) Explain FIVE environmental concerns associated with the proposed resort development. (10 marks)
- b) Describe THREE possible social and economic effects the resort might have on the local community. (6 marks)
- c) Suggest FOUR sustainable development strategies that could reduce the negative impacts of the resort. (4 marks)

13. Environmental legislation faces several obstacles in their implementation.

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- a) Explain FIVE challenges faced by NEMA in enforcing environmental regulations (10 Marks)
- b) Discuss FIVE positive effects on society and the economy through communities' compliance with Environmental legislation. (10 Marks)

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14. Resource wastage in Kenya is driven by various environmental, economic, and social factors.

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FIVE causes of resource wastage in Kenya

(10 Marks)

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- b) Describe FIVE causes of resource wastage in Kenya. (10 Marks)

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15. Environmental pollution control strives to maintain the ideal environmental systems.

- a) Explain FIVE disadvantages in hazardous waste management.

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(10 Marks)

- b) Discuss FIVE methods of minimizing wastage.

(10 Marks)

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