

LEVEL 6

DEMONSTRATE ENVIRONMENTAL LITERACY

July /August 2024



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

WRITTEN ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. The paper consists of **TWO** sections; **A & B**
2. You are provided with a separate answer booklet
3. Marks for each question are as indicated
4. Do Not write on the question paper

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. Environmentally hazardous materials should be stored in a safe and secure way. State THREE importance of proper storage of environmentally hazardous materials. (3 Marks)
2. There are several factors to consider when selecting PPEs for your workplace. Name FOUR factors that you would consider in making the choice (4 Marks)
3. World Health Organization states that 7 million people die each year from causes attributable to air pollution. List FOUR impacts of air pollution to the environment. (4 Marks)
4. 'Reduce' is one of the 3Rs principles of waste management. State THREE ways of reducing waste in institutions. (3 Marks)
5. EMCA 1999 guides Kenya on all areas concerning the environment and the institutions concerned with enforcement. Mention THREE institutions that have been established through this principle Act. (4 Marks)
6. Environmental issues occur at global, regional and local levels. Highlight FOUR global environmental issues of concerns. (4 Marks)
7. In case of a waste leakage problem in a given firm. Identify FOUR steps involved in addressing the problem. (4 Marks)
8. 5S of good housekeeping is a management technique that is aimed at optimizing the workplace and improving the efficiency of work performance. Identify the 4S among the 5S housekeeping practices (4 Marks)
9. For the success of an environmental program, an effective strategy is required. State FOUR environmental strategies that can be used when developing a program. (4 Marks)
10. Abiotic resources are generated from non-living materials. Name THREE abiotic resources. (3 Marks)
11. Circular economy has more merits compared to linear economy. Highlight THREE benefits of adopting circular economy in a manufacturing firm (3 Marks)

SECTION B (60 MARKS)

*Answer any **THREE** questions from this section.*

12. You have been contracted as environmental monitoring officer, you are entrusted with the role of training various stakeholders on the role of environmental monitoring and evaluation in project development.
- a. Discuss FIVE importance of monitoring and evaluation in project development that you will include in your presentation during the training. (10 Marks)
 - b. Explain FIVE significance of public participation in monitoring and evaluation of a given project. (10 Marks)
13. Kenya has been experiencing climate related disasters due to global warming. Global warming is becoming a global challenge due to unsustainable human activities.
- a. Discuss FIVE causes of global warming. (10 Marks)
 - b. Explain FIVE impacts of global warming. (10 Marks)
14. Kenyan cities have become centers of interest for development. This has resulted to into increase in population resulting to high generation of solid waste. Solid waste management continues to be a challenge to County governments requiring proper policy and structures in place.
- a. Describe FIVE types of solid waste generated in counties (5 Marks)
 - b. Discuss the procedure involved in solid waste management (15 Marks)
15. Resource depletion is the extraction of natural resources at a rate that exceeds their replenishment.
- a. Describe FIVE major causes of resource depletion in Kenya (10 Marks)
 - b. Explain FIVE categories of natural resources (10 Marks)

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