



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

Qualification : Level 6

Unit of Competency : Demonstrate Environmental Literacy

WRITTEN ASSESSMENT

ASSESSOR'S GUIDE

SECTION A (40 MARKS)

These only serves as a guide to expected responses.

1. List four tools used in collecting environmental data (4 marks)

Possible responses

- Electronic Data Harvesting
- Questionnaires
- Survey In-depth Interview (IDI)
- Focus Group Discussion
- Observation

2. State four human activities that contribute to groundwater contamination (4 marks)

Possible responses

- Over extraction of groundwater
- Mining activity
- Agriculture and fertilizer use
- Septic systems
- Hazardous waste disposal
- Injection wells

3. Identify four causes of indoor air pollution at workplace (4 marks)

Possible responses

- Combustion
- Building materials

- *Smoking*
- *Pesticide use*
- *Nearby pollution*

4. Provide four solutions to reducing electricity wastage at workplace (4 marks)

Possible responses

- *Turn off lights and equipment when not in use.*
- *Use available sunlight to illuminate your work spaces.*
- *Replace incandescent light bulbs with compact fluorescent lamps.*
- *Install LED (light-emitting diode) "EXIT" signs.*
- *Install occupancy sensors to automatically turn off lights.*

5. Identify four health problems associated to noise pollution at workplace (4 marks)

Possible responses

- *Headache*
- *Elevated blood pressure*
- *Fatigue*
- *Irritability*
- *Digestive disorders*
- *Increased susceptibility to colds and other minor infections*

6. Outline four precautions to consider when transporting hazardous wastes (4 marks)

Possible responses

- *avoid transporting with food, water or other reactive chemicals*
- *follow the separation and segregation rules for transporting mixed classes of hazardous chemicals (those classified as dangerous goods)*
- *secure hazardous chemicals on the vehicle so they can't move or fall*
- *keep a record of the chemicals you are carrying*
- *separate foodstuffs from chemicals*
- *make sure you have the required signs and equipment for the vehicle*
- *Make sure the driver of the vehicle has the correct licence and is trained in emergency procedures.*

7. State four challenges encountered in implementing environmental regulations in industries (4 marks)

Possible responses

- *employee resistance*
- *Lack of financial resources*
- *Lack of qualified personnel*
- *Lack of awareness*
- *Lack of treatment methods*
- *Lack of support from the government.*