



AMREF INTERNATIONAL TRAINING CENTER

Qualification : Community Health Level 6
Unit Code : HE/OS/CH/BC/05/6/A
Unit of Competency : Demonstrate Environmental Literacy

WRITTEN ASSESSMENT
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

1. Marks for each question are indicated in the brackets.
2. The paper consists of **TWO** sections: **A** and **B**.
3. Candidates are provided with a separate answer booklet
4. **DO NOT** write on this 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: SHORT ANSWER QUESTIONS

ANSWER ALL QUESTIONS

1. During an environmental health education session, a Community Health Promoter explains key concepts related to the environment and occupational safety. Define the following terms:
 - a) Environment. (2 Marks)
 - b) Hazard. (2 Marks)
2. During a routine workplace assessment, an Occupational Safety Officer reviews measures put in place to protect workers from potential occupational hazards. Identify four types of Personal Protective Equipment (PPE) used when handling hazardous waste. (4 Marks)
3. During a community environmental awareness campaign, participants are encouraged to adopt practices that promote responsible waste management. Outline the 3Rs principle in waste management. (3 Marks)
4. The Environmental Management and Coordination Act (EMCA), 1999 is Kenya's framework law for environmental management and conservation. State four objectives of the Environmental Management and Coordination Act (EMCA), 1999. (4 Marks)
5. An Occupational Health Officer has been tasked with recommending measures to improve the working environment in a manufacturing company. Outline three methods of minimizing noise pollution in an industrial setting. (3 Marks)
6. During a routine environmental inspection, a Community Health Promoter observes different categories of waste being generated at a workplace and is required to classify them appropriately. Differentiate between: (4 Marks)
 - a) Hazardous waste
 - b) Non-hazardous waste
7. A Community Health Promoter is conducting an environmental health assessment in a rapidly developing town and notes concerns about the quality of air in the area. State four causes of air pollution. (4 Marks)
8. In various workplace settings, workers may encounter materials that pose significant risks to the environment if not properly managed. Outline four examples of environmentally hazardous materials found in workplaces. (4 Marks)

9. A community group is discussing the utilization of natural resources for economic development and environmental conservation. Identify four renewable natural resources. (4 Marks)
10. A local organization has incorporated environmental conservation practices into its operations as part of its long-term development strategy. State three benefits of sustainable resource use to an organization or community. (3 Marks)
11. During an environmental audit, a manufacturing company is advised to strengthen its waste management system to protect public health and the environment. Name three methods of safe waste disposal used in environmental management. (3 Marks)

SECTION B: LONG ANSWER QUESTIONS

ANSWER THREE QUESTIONS

12. As a NEMA environmental inspector, you are required to provide a corrective action plan addressing the following:
- a) Describe six key elements that must be included in a compliant hazardous waste storage facility according to EMCA Waste Management Regulations 2024. (12 marks)
 - b) Explain THREE security measures that must be implemented at the storage facility to prevent unauthorized access and accidental spills. (8 marks)
13. Greentech Industries (Athi River, Kenya) violates environmental laws:
- i. Releases untreated chemical waste into Athi River → fish kills, skin diseases in communities.
 - ii. Emits high CO₂ and methane without controls.
 - iii. Imports and uses CFCs despite global ban.
 - iv. No EIA license from NEMA.
 - v. Community files complaint with Public Complaints Committee (EMCA).
- a) Describe five role of environmental legislation in Kenya's environmental conservation. (10 marks)
 - b) Discuss five objective of the Kyoto Protocol or Montreal Protocol in addressing global environmental challenges. (10 marks)
14. Non-profit organization is planning to build a new water well in a rural village. The engineers have identified a location that is technically perfect—close to the water table and

easy to drill. However, the village elders are unhappy because this location is near their sacred gathering site.

- a) Using the principles of stakeholder consultation, explain FIVE ways as to why the engineers should reconsider their decision even though their chosen location is technically superior (10 Marks)
- b) Describe the 5 S methodology that may be implemented

15. A small furniture manufacturing business wants to measure its current wood and energy consumption to identify reduction opportunities. The owner has never conducted resource measurement before and needs guidance on the process described in the text.

- a. Discuss SIX stages of the measuring technique process for current resource usage (12 marks)
- b. Explain FOUR main types of resources (8 Marks)