



AMREF INTERNATIONAL TRAINING CENTER

Qualification Code : 102105T6TCOH
Qualification : COMMUNITY HEALTH LEVEL 6
Unit Code : HE/OS/CH/BC/05/6/A
Unit of Competency : DEMONSTRATE ENVIRONMENTAL LITERACY

CANDIDATE WRITTEN ASSESSMENT

INSTRUCTIONS TO CANDIDATE

1. You have **THREE** hours to answer all the questions.
2. Marks for each question are indicated in the brackets.
3. The paper consists of **TWO** sections: A and B.
4. Do not write on the question paper.
5. A separate answer booklet will be provided.

This paper consists of THREE (3) printed pages

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing

SECTION A: (40 MARKS)

ANSWER ALL QUESTIONS

1. Drinking water sources are subject to contamination and require appropriate treatment. List FOUR stages of water treatment. (4 marks)
2. Green purchasing strategies are practices aimed at minimizing environmental impact and promoting sustainability throughout the supply chain. For a successful purchasing strategy, highlight the first FOUR stages. (4 marks)
3. Climate change is one of the major drivers of biodiversity loss, as it disrupts ecosystems and habitats, leading to species extinction and ecosystem degradation. Identify FOUR other effects of climate change. (4 marks)
4. Resource efficiency systems are procedures that ensure the limited resources are used sustainably while minimizing impact on the environment. Highlight the steps followed in developing an environmental resource efficiency system. (4 marks)
5. Minimizing waste includes a change of society patterns that relate to production and consumption. Identify FOUR benefits of waste minimization. (4 marks)
6. EMCA 1999 guides Kenya on all areas concerning the environment and the institutions concerned with enforcement. List FOUR institutions that have been established through this principle act. (4 marks)
7. Data analysis process consists of several phases that are interactive in nature. State FOUR phases of data analysis. (4 mark)
8. Stakeholder involvement is a crucial aspect in the success of any project. Identify FOUR importance of engaging diverse stakeholders in environmental project implementation. (4 mark)
9. Renewable energy is playing an increasingly prominent role in the global energy transition. Outline FOUR advantages of renewable energy sources. (4 mark)
10. Global warming is a serious environmental and major international issue of concern.
 - a) State TWO causes of global warming. (2 marks)
 - b) List TWO effects of global warming. (2 marks)

SECTION B:(60 MARKS)

(This serves as a guide to expected responses)

11. Kenya, like many developing countries, faces significant environmental challenges worsened by rapid urbanization, industrial growth, and inadequate waste management systems. The country is striving to balance economic development with environmental sustainability. Historically, Kenya has followed a linear economy model but in recent years, there is a growing interest in transitioning towards a circular economy.
- a) Explain FIVE importance of adopting circular economy (10 marks)
 - b) Discuss FIVE disadvantages of adopting linear economy (10 marks)
12. Environmental resources are components of the natural environment that provide essential benefits and services to human societies and ecosystems.
- a) Discuss FIVE categories of environmental resources. (10 marks)
 - b) Elaborate FIVE causes of resource depletion in Kenya. (10 marks)
13. Effective waste management practices are essential for promoting environmental sustainability, reducing pollution, and mitigating the adverse effects of waste on human health and ecosystems.
- a) Describe the procedure for waste management. (10marks)
 - b) Explain FIVE importance of landfills as a waste disposal method (10 marks)
14. Kenya is a signatory to several environmental multilateral agreements aimed at addressing various environmental challenges and promoting sustainable development.
- a) Discuss FIVE environmental multilateral agreements that Kenya is a signatory to. (10 marks)
 - b) Elaborate FIVE challenges to enforcement of environmental law in Kenya. (10 marks)