



AMREF INTERNATIONAL TRAINING CENTER

Qualification Code : 102105T6TCOH

Unit Code : HE/OS/CH/BC/05/6/A

Unit of Competency : DEMONSTRATE ENVIRONMENTAL LITERACY

WRITTEN ASSESSMENT

INSTRUCTIONS TO CANDIDATE:

- i. *In this assessment, you will be required to answer **ALL THE WRITTEN** questions.*
- ii. *You are allocated **THREE (3) HOURS** to answer all the questions.*
- iii. *This paper consists of **TWO** sections (A, B).*
- iv. *Marks for each question are indicated in the brackets.*
- v. *Provide all your candidate personal information, date and signature.*

*This paper consists of **THREE (3) printed pages***

Candidate should check the question paper to ascertain that all the pages are printed as indicated.

SECTION A: 40 MARKS

(Answer all the questions in this section)

1. State FOUR causes of soil pollution (4 marks)
2. Outline FOUR advantages of renewable energy sources (4 marks)
3. Highlight THREE impacts of air pollution on plants and animals (3marks)
4. Identify THREE importance of assigning roles and responsibilities when working in a team (3marks)
5. Mention TWO cause of global warming? (2 marks)
6. Outline TWO effects of global warming? (2 marks)
7. Resource conservation includes protection of natural resources since they are limited. Highlight THREE ways in which we can conserve water? (3marks)
8. Identify THREE greenhouse gases. (3marks)
9. Disposal of hazardous waste is governed and overseen by NEMA, what are the other FOUR main functions of National Environmental Management Authority (4marks)
10. Outline FIVE ways of achieving energy efficiency at workplace. (5marks)
11. 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)
12. 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. (3 marks)

SECTION B: 60 MARKS

(Answer question 13 and any other 2)

13. As the Nairobi County environmental officer and a keynote speaker at a conference focusing on plastic manufacturing, you are entrusted with guiding both staff and management within this sector on effectively analyzing the resource flow across different stages of production process.
- a) Explain FIVE importance of adopting circular economy (10 marks)
 - b) Discuss FIVE disadvantages of adopting linear economy (10 marks)
14. Public participation and stakeholder engagement is a crucial aspect in project implementation. In regards to this:
- a) Explain FIVE importance of engaging diverse stakeholder in environmental project implementation (10marks)
 - b) Elaborate FIVE challenges of public participation in implementing environmental programs. (10 marks)
15. Resource depletion is the extraction of natural resources at a rate that exceeds their replenishment. Discuss TEN major causes of resource depletion in Kenya focusing on both natural and anthropogenic factors. (20 marks)
16. Businesses that adopt sustainable practices can provide more benefits than costs to the local communities.
- a) Discuss FIVE advantages of business associated with adopting of environmentally business practices. (10 marks)
 - b) Explain FIVE steps taken in developing purchasing strategies. (10 marks)