



**AMREF INTERNATIONAL TRAINING CENTER**

**Qualification Code : 102105T4COH**

**Qualification : COMMUNITY HEALTH LEVEL 5**

**Unit Code : HE/OS/TT/BC/06/5/A**

**Unit of Competency : DEMONSTRATION OF 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 **THREE** sections (A, B and C).*
- iv. *Marks for each question are indicated in the brackets.*
- v. *Provide all your candidate personal information, date and signature in the booklet provided.*

*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: MULTIPLE CHOICE QUESTIONS (20 MARKS)**

*(Encircle the correct answer and each correct answer is 1 mark)*

1. Select a license issued by National Environment Management Authority before project implementation.
  - A. Fire safety
  - B. Effluent discharge
  - C. Environmental Impact Assessment
  - D. Import export for controlled substances
2. Which of the following is an advantage of incineration?
  - A. It is the easiest method of disposing solid waste
  - B. The method is mostly used for E-waste
  - C. Flammable waste can be used as energy source
  - D. Incineration can cause air pollution
3. Industrialization has caused a rise in cases of noise pollution. Identify the effect of noise pollution?
  - A. Global warming
  - B. Acidification
  - C. Climate change
  - D. Hearing loss
4. Which of the following is not an impact of air pollution
  - A. Necrosis
  - B. Over fertilization
  - C. Forest fires
  - D. Stunted growth
5. Which of the following is a primary natural source of carbon dioxide?
  - A. Volcanic eruptions
  - B. Deforestation
  - C. Industrial emissions
  - D. Fossil fuel combustion
6. Which is not a wastage minimization technique
  - A. Resource optimization
  - B. Replenish
  - C. 3Rs principles
  - D. Quality control improvement

7. Which of the following is a characteristic of an ideal storage container for hazardous materials?
  - A. Transparent for easy identification
  - B. Unlabeled to avoid confusion
  - C. Made of incompatible materials
  - D. Compatible with the properties of the stored material
8. Why is it essential to consider the interests and concerns of local communities when implementing environmental conservation projects?
  - A. Local communities have no stake in environmental conservation efforts
  - B. Their support and participation are critical for project success
  - C. Local communities are not affected by environmental degradation
  - D. Environmental conservation projects should only benefit larger populations
9. Wind energy can be classified as a resource based on which criteria?
  - A. Based on their renewability
  - B. Based on their location
  - C. Based on their source of origin
  - D. Based on development stage

10. The concept of sustainable development encourages?
- A. Form of growth that meets basic needs
  - B. Preservation of resources for the needs of the future generation
  - C. A change in all aspects of life
  - D. Growth to meet current needs, preservation for the needs of the future and change in all aspects of life.
11. Baseline data in establishing resource use profile does not include?
- A. Water use
  - B. Waste generation
  - C. Premises
  - D. Energy use
12. The following are the effect of global warming?
- A. Sea level rise and shrinking ice sheet
  - B. Migration and population increase
  - C. Decrease in biodiversity and technological advancement
  - D. Population increase and Ozone layer depletion
13. At what stage of a program should monitoring take place?
- A. At the beginning of a program
  - B. At the midpoint of a program
  - C. At the end of a program
  - D. Throughout the life of a program
14. Select an example of a greenhouse gas from the following?
- A. Nitrogen
  - B. Oxygen
  - C. Methane
  - D. Carbon monoxide
15. The following is a benefit of developing a resource conservation plan.
- A. Protection of productivity
  - B. Improvement of soil fertility
  - C. Management of soil moisture

- D. All the above
16. In which year was EMCA amended to align with the 2010 Kenyan constitution?
- A. 2015
  - B. 1999
  - C. 2007
  - D. 2011
17. Which of the following is the ISO standard for Environmental Management System?
- A. ISO 20400
  - B. ISO 14001
  - C. ISO 50001
  - D. ISO 17743
18. Which one of the following least describe the importance of a stakeholder
- A. It increases the likelihood of stakeholders getting actively involved and staying involved throughout the implementation process.
  - B. It increases understanding of the priorities of the community members and what problems and issues is the major concern.
  - C. It is a reliable, systematic and easy way to acquire information from the beneficiaries of a project.
  - D. It does not provide a useful source of data, information and direction for donors, government and participants.
19. Rio declaration refers to?
- A. Earth summit in June, 1992
  - B. Ramsar conference
  - C. Stockholm conference 1972
  - D. Kyoto protocol
20. Which one is a method of minimizing noise pollution?
- A. Source control
  - B. Transmission path
  - C. Receptor control
  - D. All the above

## **SECTION B: 40 MARKS**

*(Answer all the questions in this section by writing down your responses/answers in the booklet provided)*

21. Environmental concerns are harmful effects on the biosphere brought about by anthropogenic activities or natural internal processes. List **THREE** environmental concerns  
(3 marks)
22. State **FOUR** features of an environmental strategy. (4 marks)
23. Identify **TWO** effects of air pollution on human health (2 marks)
24. Mention **THREE** benefits of waste minimization (3 marks)
25. Identify **TWO** examples of actual resources (2 marks)
26. State **THREE** steps involved in a purchasing strategy (3 marks)
27. Outline steps followed in developing an environmentally resource efficiency system  
(4 marks)
28. Name **THREE** causes of climate change (3 marks)
29. Identify **THREE** effects of climate change (3 marks)
30. Drinking water sources are subject to contamination and require appropriate treatment. List **FOUR** stages of water treatment (4 marks)
31. Outline the **5S** of good housekeeping (5 marks)
32. State **FOUR** advantages of circular economy (4 marks)

**SECTION C: 40 MARKS**

*(Answer question 33 and any other question)*

33. You have been appointed as the lead Environmental Impact Assessment expert in a mega construction project in Lang'ata Sub County. For the successful monitoring and implementation of the project, stakeholder engagement is important. In regards to this,
- a) Explain FIVE importance of engaging diverse stakeholders in environmental project implementation. (10 marks)
  - b) Discuss FIVE challenges of public participation in implementing environmental programs. (10 marks)
34. Waste management entails all the activities carried out to control unwanted or unusable materials from its inception to its proper disposal.
- a) Discuss the procedure for solid waste management. (15 marks)
  - b) Highlight FIVE types of solid waste (5 marks)
35. A resource is a source of supply mostly comprised of a part of earth that is valued by humans and from which a benefit is derived.
- a) Citing examples explain FIVE types of resources (10marks)
  - b) Discuss the FIVE major causes of resource depletion in Kenya (10 marks)