



PAC INSTITUTE OF TECHNOLOGY AND SOCIAL STUDIES SEPTEMBER – DECEMBER 2024 ASSESSMENT

FORMATIVE ASSESSMENT

Qualification Code :AQ/CU/AM/BC/06/4/B
Qualification : LEVEL 5
Code :
Unit of Competency : ENVIRONMENTAL LITERACY

WRITTEN ASSESSMENT TIME: 3 HOURS

INSTRUCTIONS TO THE CANDIDATE:

- 1. Read all the instructions carefully before attempting the questions.*
- 2. This paper consists of two sections, A & B.*
- 3. You are allowed 3 Hours to Answer the questions.*
- 4. Marks for each question are indicated in brackets.*
- 5. Write your responses in the Separate Answer booklet provided.*
- 6. Do not write anything on this question paper.*

SECTION A (40 MARKS)

ANSWER ALL QUESTIONS

1. Define Environmental Management System (EMS). (2 marks)
2. Outline **THREE** benefits of stakeholder consultation in a development project. (3 marks)
3. Identify **FOUR** hazards a goggles protect from (4 marks)
4. List **FOUR** methods used for the disposal of hazardous waste. (4 marks)
5. Outline **FOUR** common causes of air pollution in the environment. (4 marks)
6. Explain **TWO** methods that can be used in the conservation of resources. (4 marks)
7. Highlight on the '3 R's of Sustainable Development. (3 marks)
8. State **FOUR** PPEs that a mason should have. (4 marks)
9. State **FOUR** types of noise pollution (4 marks)
10. Explain **TWO** benefits of recycling waste materials in the environment. (4 marks)
11. Identify **FOUR** environmental Protocols and conferences. (4 marks)

SECTION B (60 MARKS)

ANSWER ANY THREE QUESTIONS

12. Rising global temperatures and increasing solid waste pollution are both contributing to the degradation of the environment and posing serious challenges to sustainability.

- (a) Explain **FIVE** effects of global warming (10 Marks)
- (b) Discuss **FIVE** types of solid waste pollution in the environment (10 marks)

13. A factory is exploring ways to exploit resources, reduce resource consumption and minimize wastage.

- a) Define Resource Consumption (2 marks)
- (b) Discuss **FOUR** categories of environmental resources giving appropriate examples (8 marks)
- (c) Highlight **FIVE** benefits of minimizing wastage in an organization (10 marks)

14. The harmful effects of deforestation all over the world have made authorities realize that forest resources must be conserved properly in order to protect the environment.

- a) (i) Explain **FOUR** benefits of forests in the environment. (8 marks)
- (ii) Explain **THREE** methods that can be employed in the conservation of forests. (6 marks)
- b) Explain **THREE** roles of stakeholders involved during implementation of a forest conservation project (6 marks)

15. Welders face burns and fumes due to poor PPE usage, while the workshop's emissions harm air quality and nearby communities

- a) Discuss **SIX** PPEs that you would recommend for those involved in the welding industry (12 Marks)
- b) Explain **FOUR** human activities that negatively affect the environment. (8 marks)