

**41306T4PMN**  
**PROJECT MANAGEMENT LEVEL 6**  
**BUS/CU/PM/CR/08/6/A**  
**PROJECT ENVIRONMENTAL MANAGEMENT**  
**July/August 2025**



**AMREF INTERNATIONAL TRAINING CENTER**

**WRITTEN ASSESSMENT**

**Time: 3 HOURS**

**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 in this section*

1. There are two main types of environments in projects. Distinguish between internal and external environment. (4 Marks)
2. You are part of a project team tasked with preparing an environmental monitoring plan for a water project in Soweto. Mention FOUR key components that should be included in the plan. (4 Marks)
3. Highlight FOUR advantages of engaging the stakeholders in monitoring the project environment. (4 Marks)
4. Suggest FOUR mitigation measures you would recommend to reduce the negative environmental impacts floods in a project. (4 Marks)
5. You have been invited by the National Environment Management Authority (NEMA) to address pollution matters within the county. State FOUR key pollution issues you would include in your discussion. (4 Marks)
6. Organizational politics can have detrimental effects on project success if not handled with care. Highlight FOUR ways in which organizational politics derail project success. (4 Marks)
7. You have been tasked to do an environmental monitoring of an agricultural project. Identify FOUR key aspects of monitoring you will consider before its commencement. (4 Marks)
8. Mwendo Logistics Company, a courier service handling international cargo across Africa, plans to establish operations in Kenya. Outline FOUR economic aspects they need to consider when assessing the viability of this project. (4 Marks)
9. Highlight FOUR consequences of neglecting socio-cultural factors when implementing a project. (4 Marks)
10. Your organization is implementing a community health project which is considering adopting new digital tools to manage the project. State FOUR ways in which technology can influence the project environment. (4 Marks)

**SECTION B: (60 MARKS)**

*Answer any THREE questions in this section.*

11. Zenta Mining Ltd plans to start mining in Lulunga Hills, an ecologically sensitive area. As the Environmental Compliance Officer, you are required to ensure the company meets all environmental laws before beginning operations.
- a) Explain FIVE environmental laws that the mining companies must comply with before commencing their operations. (10 Marks)
  - b) Explain FIVE key objectives of environmental legislation in relation to project planning and implementation. (10 Marks)
12. A health NGO is planning to launch a maternal wellness project in a remote county. Before implementation, they are advised to conduct an environmental scan and stakeholder mapping to understand the operational context.
- a) Explain THREE tools the team can use to conduct environmental scanning. (6 Marks)
  - b) Identify and explain FOUR types of environmental data the team should collect. (8 Marks)
  - c) Discuss THREE advantages of environmental scanning before project rollout. (6 Marks)
13. The Umoja Water Access Project was launched to provide clean and reliable water to rural communities in Kitali District. The project aims to drill boreholes, install water tanks, and train locals on water management. Initial community response has been positive, but the project faces budget limitations, delays in equipment delivery, and growing pressure from local leaders to expand to neighboring villages. The project team is preparing to review progress and adjust plans based on current strengths, weaknesses, opportunities, and threats.
- a) Using the information from the case study, identify one strength, one weakness, one opportunity, and one threat of the Umoja Water Access Project. (4 Marks)
  - b) Suggest TWO ways the project team could address the weaknesses and threats identified. (4 Marks)
  - c) Explain SIX components of a PESTEL analysis and how each can influence the aspect of project above. (12 Marks)

14. Green Harvest launched an irrigation project in Mavuno County to boost food production. Six months later, an environmental monitoring report highlighted both positive and negative impacts.

- a) Explain FIVE essential components of a comprehensive environmental monitoring report. (10 Marks)
- b) Describe TWO types of data that should be included in the report. (4 Marks)
- c) Discuss TWO types of evidence that should be included in the report. (4 Marks)
- d) Suggest TWO tools or methods that could be used to monitor environmental changes over time. (2 Marks)

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