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(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

(main CAMPUSES)

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

FIRST YEAR FIRST END OF SEMESTER EXAMINATIONS

**FOR THE BACHELOR OF SCIENCE
In
COMMUNITY HEALTH AND DEVELOPMENT**

COURSE CODE: PPC 111

COURSE TITLE: INTRODUCTION TO ENVIRONMENTAL SCIENCE

DATE: 5/12/2023

TIME: 8.00-10.00 AM

INSTRUCTIONS:

ANSWER ALL QUESTIONS IN SECTION A, AND ANY TWO IN SECTION B

TIME: 2 Hours

MMUST observes ZERO tolerance to examination
cheating

SECTION A: ATTEMPT ALL THE QUESTIONS IN THIS SESSION [40 MARKS]

1. Define the following terms [4 marks]
 - a. Environmental Science:
 - b. Environmental preservation:
 - c. Biogeochemical cycles:
 - d. Habitat:
2. Note down **FOUR [4]** causes of salinization [4 marks]
3. Name **FOUR [4]** institutions created by law in Kenya that helps in the management of the environment and conservation issues [4 marks]
4. Write down the effects of acid precipitation to the environment [4 marks]
5. Why is it important to conduct Environmental Impact Assessment? [4 marks]
6. List down the importance of conserving biodiversity [4 marks]
7. Put in writing **FOUR [4]** Environmental Health Objectives themes that explains how the environment has an impact on health [4 marks]
8. Describe briefly how the abundance and distribution of organisms is affected by biotic factors [4 marks]
9. Name ways in which salinization can be managed by use of discharge management [4 marks]
10. Increased population increases the human's environmental impacts. Name them [4 marks]

SECTION B: ANSWER ANY OF THE TWO QUESTIONS IN THIS SESSION [30 MARKS]

1. a) Name important things that should be included in the Environmental Audit report [5 marks]
b) Discuss the main constituent of the nitrogen cycle [10 marks]
2. Discuss the calorific flow of the biotic components in an ecosystem [15 marks]
3. a) List down some of the effects of Radioactive Pollution [5 marks]
b) Discuss ways in which the environment is important for economic growth [10 marks]