



ZIMBABWE EZEKIEL GUTI UNIVERSITY

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COLLEGE FOR LIFELONG EDUCATION

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FACULTY OF SCIENCE, TECHNOLOGY, AGRICULTURE AND FOOD SYSTEMS

EXAMINATION PAPER

MODULE CODE : DSMS122  
MODULE TITLE : Environmental Management in Mining Industry  
DURATION : 2 Hours  
LEVEL : 1:2  
DATE : .....1.1 JUN 2025.....

**INSTRUCTIONS TO CANDIDATES:**

1. Question Number 1 in Section A is compulsory.
2. Answer any other **one (1)** question from section B.
3. Each question carries twenty-five (25) marks
4. Number of marks for part questions are shown in brackets
5. Start each question on a new page
6. This paper consists of two (2) pages

## Section A: Compulsory

### Question 1

A small scale mining company has been criticized for poor waste management at one of its operations. The nature of waste is posing risk to the land, water sources and the community at large. As a small scale mining industry, it has legal compliance obligations and other obligations.

- a. What are the key aspects and impacts associated with poor waste management in a small scale mining industry (15 marks)
- b. Propose a comprehensive waste management strategy in line of its legal compliance obligations. (10 marks)

## Section B: Answer any one (1) question from this section

### Question 2

Discuss the benefits for adopting and implementing environmental management system (ISO 14001:2015) in a mining environment. (25 marks)

### Question 3

Discuss with examples, the role of technology in reducing the environmental impact of mining (25 marks)

### Question 4

Discuss the role of Corporate Social Responsibility (CSR) in mining. (25 marks)

The End