



ZIMBABWE EZEKIEL GUTI UNIVERSITY

COLLEGE FOR LIFELONG EDUCATION

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 : 29 NOV 2024

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 mining company has been criticized for poor tailings management at one of its operations. The tailings pond is at risk of overflowing, and there have been several incidents of tailings escaping into the nearby river, contaminating the water supply for local communities.

- a. What are the key risks associated with poor tailings management in mining (15 marks)
- b. Propose a comprehensive tailings management strategy (10 marks)

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

Question 2

Discuss the environmental impact of mining. (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)

Question 5

With the aid of examples assess the merits and demerits of using renewable energy resources. (25 marks)

The End

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