



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 TITLE : Strategic Mine Safety and Health**

**MODULE CODE : DSMS125**

**DURATION : 2 Hours**

**LEVEL : 1:2**

**DATE : .....2.6.NOV 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**

1. How can mining organizations measure safety performance and use this data for continuous improvement? 25 Marks

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

2. Explain the root cause analysis process in the investigation of mining incidents. 25 Marks
3. Describe the components and importance of an effective incident reporting system in mining. 25 Marks
4. Discuss why it is important to learn from near misses and accidents, and how can organizations integrate lessons learned into practice? 25 Marks
5. Discuss emerging trends and technologies in mine safety, including digital tools, IoT applications, and climate change adaptation measures. 25 Marks

**END**

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