

**BINDURA UNIVERSITY OF SCIENCE EDUCATION**  
**FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE**

**Department of Environmental Science**

**ESM 402**

**Safety Health and Risk Management**

**BSc SHEM Part IV Examination**

**TIME: 2 HOURS (70 marks)**

JUN 2023

**INSTRUCTIONS**

Answer QUESTION ONE from SECTION A and any other two questions from SECTION B.

Question one carries 30 Marks and the rest 20 Marks each.

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**SECTION A (COMPULSORY)**

1. ISO 31000 is only effective in developed countries which have self-regulation OHS systems. Discuss (30).

**SECTION B**

2. You have been hired as expert of SHEQ to help Liam Engineering for working at heights permit. Describe the steps you will take in developing the working at heights permit systems (20).
3. Explain the tools you will use during risk identification and risk analysis for a Gold mine of your choice (20).
4. Develop a risk management framework for Delta Beverages which can be used to manage its OHS hazards and risks (20).
5. Workers participation is key in risk management. Discuss (20).

**END OF PAPER**