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#### MANICALAND STATE UNIVERSITY OF APPLIED SCIENCES

FACULTY OF ENGINEERING,APPLIED SCIENCES AND TECHNOLOGY

**DEPARTMENT: MINING AND MINERAL PROCESSING ENGINEERING**

**MODULE: SOCIO-ENVIRONMENTAL ASPECTS OF MINING**

**CODE: HMME325**

### SESSIONAL EXAMINATIONS

**DECEMBER 2023**

**DURATION: 3 HOURS**

**EXAMINER: MISS T NYAMAZUNZO**

## INSTRUCTIONS

1. *This paper contains* ***One*** *section with* ***Five*** *questions.*
2. *Answer* ***Question one*** *and* ***Any other three questions****.*
3. *Start a new question on a fresh page.*
4. *Each question carries* ***25****marks.*

**QUESTION ONE**

1. Discuss the socio-environmental impacts that each stage of mining has on the society. **[25]**

**QUESTION TWO**

1. State and briefly describe the types of impacts. **[12]**
2. State what the acronyms EIA and EMP stands for and give a definition of the terms. **[6]**
3. What are the objectives of an EMP? **[7]**

**QUESTION THREE**

1. State and describe the stages of an EIA in their respective manner. **[20]**
2. What are the mitigating ways used in reducing the negative impacts of mining? **[5]**

**QUESTION FOUR**

1. Explain what is meant by product stewardship, its importance and how it is being applied in the mining industry. **[15]**
2. What are some of the best practices in environmental management in the mining sector? **[10]**

**QUESTION FIVE**

1. What is the government of Zimbabwe doing to help in small scale and artisanal mining rehabilitation? **[10]**
2. Discuss the social community engagement in the mining industry. **[15]**

**END OF EXAMINATION PAPER**