

JUN 2025

**BINDURA UNIVERSITY OF SCIENCE EDUCATION**

**FACULTY OF SCIENCE AND ENGINEERING**

**DEPARTMENT OF SUSTAINABLE DEVELOPMENT**

**MASTER OF SCIENCE IN CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT**

**MCS 501: KEY CONCEPTS OF CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT**

**TIME 3 HOURS**

**ANSWER ANY THREE QUESTIONS. MARKS FOR EACH QUESTION ARE INDICATED IN  
BRACKETS [ ].**

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**Questions**

1. Discuss how climate change is compromising environmental sustainability in Zimbabwe. [25]
2. Suggest how Zimbabwe can benefit from the financial opportunities being presented by the international landscape of climate finance. [25]
3. Drawing heavily from the concept of greenhouse gas (GHG) externality, examine the view that, 'climate change results from market failures'.
4. Propose how the main conflicts of interest between low-income and high-income countries in relation to the international climate negotiations can be resolved. [25]
5. Discuss the atmospheric warming threshold and its impacts on economies with low to moderate incomes. [25]

**END OF EXAMINATION**