

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF SCIENCE AND ENGINEERING
DEPARTMENT OF GEOGRAPHY
MASTER OF SCIENCE IN CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT
MCS503: MITIGATION AND ADAPTATION IN THEORY AND PRACTICE

EXAMINATION
TIME 3 HOURS

JUN 2022

ANSWER ANY THREE QUESTIONS. USE ILLUSTRATIONS AND DIAGRAMS WHERE RELEVANT. MARKS FOR EACH QUESTION ARE INDICATED IN BRACKETS [].

1. Based on the key components of the energy systems in Southern Africa, consider the possible GHG emission reduction options that are available for the region. [25]
2. Discourse the challenges of advancing climate change mitigation and adaptation in the context of the developing world. [25]
3. Examine the main barriers and enablers to climate change adaptation within rural communities in Zimbabwe. [25]
4. To achieve its goal of attaining an upper middle income nation by the year 2030, Zimbabwe must fully address the issues to do with climate change. Discuss this view, citing examples from various development sectors in the country. [25]
5. Explore the significance of energy systems modelling and the application of models to mitigation planning. [25]