

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE
DEPARTMENT: NATURAL RESOURCES
PROGRAMME: BSc NATURAL RESOURCE MANAGEMENT
NR 405: NATURAL RESOURCES AND CLIMATE CHANGE

DURATION: 2 hrs

TOTAL MARKS: 70

 54 MAR 2023

INSTRUCTIONS TO CANDIDATES

Answer **THREE** questions out of the following five questions. You must answer question **ONE** from **SECTION A** and any **TWO** questions from **SECTION B**.

SECTION A (COMPULSORY)

1. a. Explain the link between vulnerability, climate change mitigation and climate change adaptation. [10 Marks]
- b. Climate change and variability affect natural resources. Discuss. [20 Marks]

SECTION B

2. a. Explain any four climate adaptation monitoring and evaluation tools. [8 Marks]
- b. Explain four initiatives for managing anthropogenic drivers of climate change. [12 Marks]
3. a. Distinguish between deforestation and forest degradation. [5 Marks]
- b. Discuss the impacts of climate change on ecosystem services? [15 Marks]
4. a. Discuss any four components of a climate system and their impacts on global climate change. [10 Marks]
- b. Outline institutional barriers associated with selection of climate change adaptation and mitigation options. [10 Marks]
5. 'African cities are locations of concentrated climate risk'. Discuss. [20 Marks]

END OF PAPER