

**BINDURA UNIVERSITY OF SCIENCE EDUCATION**  
**FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE**  
**DEPARTMENT: NATURAL RESOURCES**  
**PROGRAMME: BSc NATURAL RESOURCES MANAGEMENT**

**COURSE CODE: NRM 121: Introduction to meteorology and climate change**

**DURATION: 2 HOURS**

**TOTAL MARKS: 70**

**INSTRUCTIONS TO CANDIDATES**

JUN 2023

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 impacts of climate change on the following:
- (i) Livestock production, [5 marks]
  - (ii) Biodiversity, [5 marks]
  - (iii) Food security, [5 marks]
  - (iv) Insurance. [5 marks]
- b. Explain the science of climate change. [10 marks]

**SECTION B**

- 2) Discuss the linkages of climate system components. [20 marks]
- 3) Climate change is a natural phenomena. Discuss. [20 marks]
- 4) Outline factors affecting adaptive capacity of social systems to climate change. [20 marks]
- 5) Describe the geographical factors affecting weather. [20 marks]

**END OF PAPER**