



GWANDA STATE UNIVERSITY
FACULTY OF ENGINEERING AND ENVIRONMENT
DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL SCIENCE

WEATHER AND CLIMATE

GES1101

Final Examination Paper

November 2023

This examination paper consists of 2 pages

Time Allowed: 3 hours

Examiner's Name: Mr. S. Zhou

INSTRUCTIONS

1. Answer any **FOUR** questions
2. Each question carries 25 marks.
3. Credit will be given to answers that are clear, illustrated, concise, and grammatically well-constructed.

1. Explain the concept Urban Heat Island and discuss ways of minimizing its effects on urban dwellers. [25]
2. Examine any **two** consequences of climate change and suggest **three** strategies for mitigating it. [25]
3. Discuss the importance of weather forecasting to various stakeholders. [25]
4. Distinguish between the terms weather and climate, and discuss how climate affects species distribution within ecosystems. [25]
5. ‘The spatial and temporal variations of temperature and pressure provide the basis for predicting weather and for understanding climate’. Discuss. [25]
6. Examine the impact of global warming and propose strategies for mitigating it. [25]

THE END