



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE CLIMATE CHANGE AND
DEVELOPMENT WITH INFORMATION TECHNOLOGY**

(MAIN CAMPUS)

**NCA 104: THE SCIENCE OF CURRENT CLIMATE
CHANGE**

Date: 22nd July 2014

Time: 11.00 – 1.00 pm

INSTRUCTIONS:

- Answer question ONE and ANY other TWO Questions
- Sketch maps and diagrams should be used wherever appropriate



N CA 10 4: SCIENCE OF CURRENT CLIMATE CHANGE

1. a . Identify the sources of Greenhouse gases (5marks)
b. Explain the concept of greenhouse (10 marks)
c. Explain the link between greenhouse gases, global warming and climate change (15marks)
2. Describe the observed and projected changes in climate in the 21 century (20 marks)
3. Discuss the causes of the global warming since the 20th century (20 marks)
4. Examine the responses of the climate system to global warming (20 marks)
5. Examine the indicators of the current climate change (20 marks)
6. Discuss the impacts of global warming (20 marks)