



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

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

MAIN CAMPUS

NCA 101: INTRODUCTION TO CLIMATE CHANGE

Date: 11th January, 2016

Time: 2.30 - 4.30pm

INSTRUCTIONS:

- Answer Question ONE and any other TWO questions.
- Sketch maps and diagrams should be used whenever appropriate.

1 a . Define the following terms within the context of climate change community.

i) Climate change (2marks)

ii) Climate change impacts (2marks)

iii) Climate change mitigation (2marks)

iv) Climate change adaptation (2marks)

v) Climate change policy (2 marks)

b. Explain any five sources of greenhouse gases (10 marks)

c) Explain the link between greenhouse gases- global warming- climate change (10 marks)

2. Explain the climate forcings on the Earth - heat balance (20 marks)

3. Discuss the natural causes of climate Change (20 marks)

4 .Describe the indicators of the current climate change (20 marks)

5. Explain the impacts of climate change on development (20marks)

6. Discuss the global responses to climate change (20 marks)