



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

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

MAIN CAMPUS

**NCA 202: CLIMATE CHANGE IMPACTS AND
VULNERABILITIES**

Date: 2nd December, 2016

Time: 8.30 - 11.30am

INSTRUCTIONS:

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



Q.1

- a) Differentiate Climate change and Climate variability (10marks)
- b) Explain the concept of “Greenhouse effect” and its impacts on the natural environment (10 marks)
- c) Explain how adaptive capacity influences vulnerability (10 marks)

Q2. Explain why poor people are the most vulnerable to climate change impacts (20marks)

Q3. Examine the vulnerability of different service sectors to climate (20marks)

Q4. Discuss the impacts of climate change on the biological environment (20 marks)

Q5 a. Explain the concept of social vulnerability to climate change (10 marks)

b. Discuss the factors affecting social vulnerability to climate change. (10 marks)

Q6. Examine appropriate measures to mitigate climate change impacts to the transport sector (20marks)