



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2014/2015

**FOURTH YEAR EXAMINATIONS FOR THE DEGREE OF BACHELOR
SCIENCE IN CLIMATE CHANGE AND DEVELOPMENT WITH
INFORMATION TECHNOLOGY**

**SUPPLEMENTARY
MAIN CAMPUS**

NCA 401: CLIMATE CHANGE ADAPTATION

Date: 13th November, 2015

Time: 8.30 - 10.30am

INSTRUCTIONS:

- Answer Question One and any other TWO Questions.
- Illustrate your answers where necessary.
- Must write legibly.



Q1. a) Identify four key adaptation terms and explain the differences between them. (12 Marks)

b) Adaptation can consist of a wide variety of actions. Give two examples of adaptation in each of these cases:

- i. Rising seas increasing risk of damage for coastal properties. (4 Marks)
- ii. Ecosystems. (4 Marks)
- iii. Energy. (4 Marks)
- iv. Water Resources. (4 Marks)

Q2. Describe the difference in approach between mitigation and adaptation to climate change? (20 Marks)

Q3. a) Define technological limits to adaptation. (5 Marks)

b) Examine the potential limits to technology as an adaptation response to climate change. (15 Marks)

Q4. Adaptation measures may be planned in advance or put in place spontaneously in response to a local pressure. Explain this statement. (20 Marks)

Q5. Discuss ways of determining the best adaptation strategy. (20 Marks)

Q6. Describe the social barriers to adaptation? (20 Marks)