



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2015/2016

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

MAIN CAMPUS

NCA 208: CLIMATE CHANGE AND ENERGY

Date: 22nd April, 2016

Time: 2.30 - 4.30 pm

INSTRUCTIONS:

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



NCA: 208 CLIMATE CHANGE AND ENERGY

Answer Question 1 and any other two.

1. a) Distinguish between renewable energy and non-renewable energy
(10 marks)
b) Explain **FOUR** important strategies Kenya is using to mitigate energy and health related climate change impacts
(10 marks).
c) Define the concept energy demand
(10 marks)
2. Using examples, discuss the effect of climate change on energy resources
(20 marks)
3. a) Describe **FIVE** factors that should be considered to lower heat-trapping emissions from energy sources while still providing energy services
(10 marks)
b) Discuss **FOUR** Renewable Energy technologies that may assist in adapting to climate change.
(10 Marks)
4. Explain the relationship that exists between energy and climate change adaptation.
(20 marks)
5. Explain your understanding of the concept Cleaner Production Mechanism (CDM).
(20 Marks)
6. Discuss the impact of energy resources on land use
(20marks).