



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2012/2013

SECOND YEAR SECOND SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CLIMATE CHANGE & DEVELOPMENT WITH INFORMATION TECHNOLOGY (MAIN CAMPUS)

NCA 207: CLIMATE CHANGE AND ENERGY

Date: 15th July, 2013

Time: 2.30 – 4.30 p.m.

INSTRUCTIONS:

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

NCA 207: CLIMATE CHANGE AND ENERGY

- 1a. Explain the Energy-Water-Land interactions with climate. (10 Marks)
- b. Describe the strategies of mitigating energy crisis related to climate change. (10 Marks)
- c. Explain any **five** reasons for the continued use of fossil fuels in spite of the accruing high environmental costs. (10 Marks)
2. Discuss the linkages between renewable sources of energy and climate change. (20 Marks)
3. Examine the causes and effects of the global energy crisis. (20 Marks)
4. Examine the barriers to financing renewable energy in Kenya as a strategy toward mitigating climate change. (20 marks)
- 5a. Explain any **five** importance of economic valuation of energy.(10 Marks)
- b. Explain any **five** approaches used in estimating the economic value of energy. (10 Marks)
6. Explain how the four types of drought affect energy. (20 Marks)