



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 206: CLIMATE CHANGE, WATER RESOURCES AND HEALTH

Date: 18th 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 206: CLIMATE CHANGE, WATER RESOURCES AND HEALTH

1. a. Describe any **five** types of global water resources (10 marks).
b. Explain any **five** climate sensitive health problems (10 marks)
c. Explain any **five** adaptive measures to water scarcity (10 marks)
2. Explain why Africa is the second continent in terms of water resources but the most water scarce continent (20 marks)
3. Climate change is the main driver in the provision of fresh water. Discuss (20 marks)
4. Explain the impacts of drought on:
 - i. Water quantity (6 marks)
 - ii. Water quality (6 marks)
 - iii. Accessibility (8marks)
5. Discuss the view that climate change is the main cause of frequent conflicts in the lower Tana valley and the semi arid regions of northern Kenya (20 marks)
6. Explain any five adaptive measures to health impacts of climate change (20 marks)