



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

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

MAIN CAMPUS

**NCA 310: VULNERABILITY ASSESSEMENT TO CLIMATE
CHANGE**

Date: 21st April, 2016

Time: 11.00 - 1.00 pm

INSTRUCTIONS:

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



NCA 310. VULNERABILITY ASSESSEMENT TO CLIMATE CHANGE

- Q1a)** Define the following terms in relation to climate change community
- i) Vulnerability (2 marks)
 - ii) Resilience (2 marks)
 - iii) Disaster risk (2 marks)
 - iv) Hazard (2 marks)
 - v) Sensitivity (2 marks)
- b) Explain the significance of conducting a climate change vulnerability assessment (Marks)
- c) Explain factors to consider when conducting a vulnerability assessment (10 marks)
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- Q2.** Explain the factors that affect the vulnerability of a Human system to climate change (20 marks)
- Q3.** Explain the Environmental, Economic and Social dimensions of vulnerability (20 marks)
- Q4.** Discuss any three conceptual models of vulnerability assessment (20 marks)
- Q5.** Discuss methods of assessing physical vulnerability to climate change (20 marks)
- Q6.** Discuss five (5) tools for climate change vulnerability assessment (20marks)