



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2013/2014**

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

**(MAIN CAMPUS)**

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

*Date: 17<sup>th</sup> July 2014*

*Time: 11.00 – 1.00 pm*

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**INSTRUCTIONS:**

- Answer question ONE and ANY other TWO Questions
- Sketch maps and diagrams should be used wherever appropriate



## **NCA 310: VULNERABILITY ASSESSMENT TO CLIMATE CHANGE**

- 1a. Explain vulnerability as a political and scientific concept in disaster management ( 10 marks )
- b. Explain the criteria for measuring vulnerability ( 10 marks )
- c. Explain the significance of vulnerability assessments in disaster risk management ( 10 marks )
2. a. Explain the advantages and disadvantages of indicators in vulnerability assessments ( 08 marks )
- b. Explain the processes of development of indicators in vulnerability assessments (12marks)
3. With the use of an example, explain the processes in analyzing disaster risk hotspots ( 20 marks )
4. Discuss how a community can be engaged in assessment of their own vulnerability to disaster ( 20 marks )
5. With the use of an example , explain how you would conduct a vulnerability assessment of a sector ( 20 marks )
6. With reference to the Red Cross Society, assess its institutional capacities to reduce the risk of flood disaster in the Nyando basin of Kenya ( 20 marks )