



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2015/2016**

**THIRD YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF  
BACHELOR OF SCIENCE IN CLIMATE CHANGE WITH INFORMATION  
TECHNOLOGY**

**MAIN CAMPUS**

**NCA 304: CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT**

Date: 7<sup>th</sup> January, 2016

Time: 11.00 - 1.00pm

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**INSTRUCTIONS:**

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



- 1 a . Briefly critique the term sustainable development. ( 10 marks )
  - b. Explain the three dimensions of sustainable development (8 marks)
  - c. Explain the role of polluter-pays-principle as a principle of sustainable development in climate change mitigation. (8 marks)
  - d. Differentiate between intergenerational equity and intra-generational equity. (4 marks)
- 2“Human-induced global climate change will greatly hinder the achievement of sustainable development in developing countries.” Discuss (20 marks)
3. Discuss the different levels of integrating climate change adaptation into sustainable development planning. (20 marks)
4. Discuss why sustainable livelihoods of ASAL communities are highly dependent on their adaptive capacity.” Discuss. (20 marks)
5. “Mainstreaming climate change policies in poverty reduction strategies will significantly impact on resource conflicts and migration of pastoral communities in Kenya.” Discuss. (20 marks)
- 6 Discuss environmental risks which are critical drivers of socio-economic vulnerabilities in Africa.” Discuss. (20marks)