



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

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

**MAIN CAMPUS**

**NCA 401: CLIMATE CHANGE ADAPTATION**

Date: 11<sup>th</sup> January, 2016

Time: 8.30 - 10.30am

---

**INSTRUCTIONS:**

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



- 1a. Explain the term adaptive capacity and its determinants (10marks)
- b. Describe the types of climate change adaptation strategies  
(10 marks)
- c. Explain Community based adaptation (CBA) concept and the necessary strategies required to enhance it. (10 marks)
2. Discuss how social, economic and political dimensions influence vulnerability of different groups (20 marks)
3. (a) Explain indigenous knowledge systems with reference to climate change. (8 marks)
- (b) Discuss how indigenous knowledge can be integrated in climate change adaptation in Kenya (12marks)
4. Discuss the role of gender mainstreaming in enhancing adaptation to climate change (20marks)
5. Analyze any **FOUR** challenges experienced by developing countries in preparing National Adaptation Programmes of Action (NAPAs) since the launch of the process in 2001 ( 20marks)
6. Discuss any **FOUR** financing mechanisms available to the developing countries for implementing their agent and immediate adaptation needs identified in the National Adaptation Programmes of Action (20marks)