



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**THIRD YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN GEOSPATIAL
INFORMATION SCIENCE WITH INFORMATION
TECHNOLOGY**

CITY CAMPUS

**NCA 303: CLIMATE CHANGE POLICY AND RESPONSE
STRATEGY IN KENYA**

Date: 28th November, 2016

Time: 9.00 - 12.00, noon

INSTRUCTIONS:

- Answer question ONE and any other TWO questions.



**NCA 303: CLIMATE CHANGE POLICY AND RESPONSE STRATEGY
IN KENYA.
CITY CAMPUS**

ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS

- 1.(a) Highlight nine key steps in a vulnerability assessment. (10 marks)
 - b) With the aid of a diagram describe the Kenya climate change action plan subcomponents (10 marks)
 - c) Technology transfer in climate change mitigation and adaptation strategies is riddled with challenges in many countries.Highlight the barriers to technology transfer in Kenya. (10 marks)
2. With the aid of illustrations, discuss the impacts of climate change in Kenya (20 marks)
3. Describe climate change assessment tools listed below;
- a) The Climate Vulnerability and Capacity Analysis (CVCA) Tool (5 marks)
 - b) The Community-based Risk Screening Tool: Adaptation and Livelihoods (CRiSTAL) (5 marks)
 - c) The Rain Calendar (5 marks)
 - d) The Vulnerability Matrix (5 marks)
4. Technology has been underlined as an important aspect in achieving climate change stabilization.
- a) Identify the main *stages involved in technology development* and transfer as outlined by the IPCC and Davidson. (10 marks)

b) Discuss how the outlined aspects can be addressed for the effective development and transfer of technologies:

- a) Human resource development, (2 marks)
- b) Institutional development, (2 marks)
- c) Information development, (2 marks)
- d) Partnership and networking, (2 marks)
- e) Collaborative research and development (2 marks)

5. With the aid of a diagram

- a) Give a critic the Institutions in Climate Change Planning and Actions (10 marks)
- b) Describe the Proposed Climate Change Governance Structure for Kenya. (10 marks)

6. Using relevant examples, illustrate how the policies listed below address climate change.

- a) The energy policy, (4 marks)
- b) The forestry policy, (4 marks)
- c) Rangelands policy, (4 marks)
- d) National environmental policy, (4 marks)
- e) Gender policy (4 marks)