



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

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

MAIN CAMPUS

NCA 308: CLIMATE CHANGE MITIGATION

Date: 8th December, 2016

Time: 8.30 - 11.30 am

INSTRUCTIONS:

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

1. a) Examine Kenya 's performance in the implementation of Goal number 7 of Millenium Development Goals on ensuring environmental sustainability (15 marks)

b) Explain **five** ways in which Carbon Dioxide is introduced to the atmosphere in Kenya (15 marks)
2. Discuss the link that exists between climate change mitigation and sustainable development (20 marks)
3. Explain the challenges and gaps in achieving environmental sustainability in Kenya (20 marks).
4. Discuss mitigation technologies and practices in the following sectors;
 - i) Agriculture sector (10 marks)
 - ii) Building sector/Housing (10 marks)
5. Discuss the barriers and opportunities that exist in climate change mitigation in the following sectors;
 - a) Water sector (10 marks)
 - b) Energy sector (10 marks)
6. The climate change mitigation Class from Maseno University has been asked to identify innovative ways of minimizing GHG gases in Kisumu City. Discuss any **five** such measures. (20 marks)