



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

**SECOND YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL
SCIENCE WITH INFORMATION TECHNOLOGY
(MAIN CAMPUS)**

NES 209: SUSTAINABLE DEVELOPMENT

Date: 4th April, 2014

Time: 11.15am - 1.30pm

INSTRUCTIONS:

- Answer QUESTION ONE and any other TWO questions.



1. a. Explain the term carrying capacity in the context of environmental sustainability. (9 marks)
b. The Convention on Biological Diversity (CBD) is one of the key documents that was signed at the Earth Summit in Rio in June 1992. Explain the key goals of the CBD. (9 marks)
c. Explain how Kenya is contributing to the CBD. (12 marks)
2. "Case studies of weak sustainability in practice have had both positive and negative results in nations that have hosted them." Giving specific real life examples, justify this statement. (20 marks)
3. a. Give a critique of the term sustainable development. (8marks)
b. Explain the characteristics of sustainable development indicators. (12 marks)
4. Explain the key principles of sustainability that were formulated at the 1992 Rio Declaration on Environment and Development. (20 marks)
5. Explain five mitigation measures for anthropogenic environmental change in developing Countries. (20 marks)
6. "The Bio-physical environment is the necessary basis for sustainable development." Discuss this statement. (20 marks)