



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

**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: 22nd April, 2016

Time: 11.00 - 1.00 pm

INSTRUCTIONS:

- Answer question ONE and any other TWO questions.



1. (a) Differentiate between sustainable development and sustainable livelihoods. (4 marks)
- (b) Explain the "Amoeba model" of sustainable development. (8 marks)
- (c) With the aid of examples, explain the role of 'precautionary principle' in achieving sustainable development. (10 marks)
- (d) Briefly, explain the link between carrying capacity and sustainable development. (8 marks)
2. With reference to the three pillars of sustainable development, explain why corruption in African nations is a major hindrance towards achievement of Sustainable development (20 marks)
3. (a) Explain the three fundamental principles that form the basis of intergenerational equity. (9 marks)
- (b) Explain the concept of 'weak sustainability.' (11 marks)
4. (a) Compare and contrast the 'sustainable development indicators' with the 'traditional indicators' of development. (10 marks)
- (b) Explain the types of capital necessary for achievement of sustainable development. (10 marks)
5. "Environmental degradation is a key challenge in addressing sustainable livelihoods of resource-dependant poor rural communities." Discuss. (20 marks)
6. "Sustainable management of forests is a key priority area for sustainable development as outlined in Sustainable development goal 15." Discuss. (20 marks)