



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2012/2013

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: 19th July, 2013

Time: 11.00 a.m.- 1.00 p.m.

INSTRUCTIONS:

Answer Question ONE and any other TWO questions.

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1. a. Explain the three interdependent and reinforcing pillars of sustainable development. (10 marks)
- b. Giving examples, differentiate between weak and strong conditions for sustainability. (10 marks)
- c. Explain the operational principles of sustainable livelihoods. (10 marks)
2. a. "Natural capital underpins all the other types of capital and is the foundation on which our economy is built." Discuss this statement. (10 marks)
- b. Give a brief critique of the term sustainable development. (10 marks)
3. Elucidate the key principles of sustainability that were formulated at the 1992 Rio Declaration on Environment and Development. (20 marks)
4. "The poor are both victims and agents of environmental degradation." Giving specific examples, discuss. (20 marks)
5. Explain the mechanisms used by the National Environment Management Authority to promote environmental sustainability. (20 marks)
6. Describe the Atkinson's pyramid model of sustainable development. (20 marks)

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