



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 208: ENVIRONMENTAL POLLUTION CONTROL

Date: 24th March, 2014

Time: 11.15am - 1.30pm

INSTRUCTIONS:

- Answer QUESTION ONE and any other TWO questions.

1. (a) Explain the meaning of environmental pollution control. [4 marks].
(b) Explain the atmospheric and the non-atmospheric diffuse sources of pollutants to aquatic environments. [8 marks]
(c) Describe the land disposal methods of solid wastes used in Kenya. [10 marks]
(d) Explain four main sources of air pollutants in urban areas. [8 marks]
2. Discuss the fate of organic pollutants once sludge has been applied to the soil. [20 marks]
3. (a) Using an illustration, describe the conventional waste water treatment plant. [12 marks]
(b) Examine the methods of controlling odour within waste water treatment plants. [8 marks]
4. Describe the processes of recovery and recycling of solid wastes. [20 marks]
5. (a) Explain the measures for controlling Sulphur Dioxide (SO_2) emissions. [10 marks]
(b) Examine the management process of hazardous hospital wastes. [10 marks]
6. Discuss the strategies used to control emissions of Carbon Dioxide (CO_2) from manufacturing industries. [20 marks]