



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 208: ENVIRONMENTAL POLLUTION CONTROL

Date: 15th July, 2013

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

INSTRUCTIONS:

Answer Question ONE and any other TWO questions.

**MASENO UNIVERSITY
LIBRARY**

MASENO UNIVERSITY
LIBRARY

1. (a) Differentiate between point sources of pollution and non-point sources of pollution [6 marks]
- (b) Describe the measures used to control pollution caused by Sulphur Dioxide (SO₂) gas. [10 marks]
- (c) Explain any three benefits of solid wastes recycling in developing countries. [8 marks]
- (d) Examine the methods of controlling odour within waste water treatment plant. [6 marks]
2. (a) Explain the measures that have been put in place to control pollution from Chlorofluorocarbons (CFCs). [8 marks]
- (b) Examine the process of incineration in the control of pollution from hospital wastes. [12 marks]
3. Discuss the policy strategies that can be adopted by the Government of Kenya to control accumulation of Carbon Dioxide (CO₂) in the atmosphere. [20 marks]
4. Discuss the fates of organic pollutants in any municipal sewage treatment scheme. [20 marks]
5. (a) Explain the steps that can be taken to control pollution of fresh water environments from industrial and agricultural activities. [10 marks]
- (b) Using an illustration, describe the basic process of waste water treatment. [10 marks]
6. Discuss the measures which can be adopted to reduce air pollution caused by automobiles in Kenya. [20 marks]

**MASENO UNIVERSITY
LIBRARY**