



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE ENVIRONMENTAL SCIENCE
WITH INFORMATION TECHNOLOGY**

(MAIN CAMPUS)

NES 104: ENVIRONMENTAL POLLUTION

Date: 21st July 2014

Time: 2.30 – 4.30 pm

INSTRUCTIONS:

- Answer question ONE and ANY other TWO Questions



1. a) Differentiate between the following:
 - i) Point sources and non-point sources of pollution. [4 marks]
 - ii) Biomagnification and bioaccumulation. [4 marks]
 - b) Describe the nature and sources of FIVE types of air pollutants. [10 marks]
 - c) Explain FOUR causes of soil pollution. [12 marks]
 2. a) Elucidate FOUR properties of persistent organic pollutants. [8 marks]
 - b). Examine the movement of persistent organic pollutants in the environment. [12 marks]
 3. Describe the process of Acid rain formation. [20 marks]
 4. a) Explain TWO atmospheric conditions that combine to create an ideal environment for ozone destruction in Antarctica. [4 marks]
 - b) Describe the effects of ozone layer depletion on the environment and human health. [16 marks]
 5. With appropriate examples where necessary, explain how human-well being and environment are interconnected. [20 marks]
 6. Describe any FIVE global responses that have been adopted to deal with environmental pollution. [20 marks]
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