



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2015/2016**

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

**MAIN CAMPUS**

**NES 104: ENVIRONMENTAL POLLUTION**

Date: 4<sup>th</sup> May, 2016

Time: 8.30 - 10.30 am

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**INSTRUCTIONS:**

- Answer question ONE and any other TWO questions.

1. (a) Briefly write about the:
  - (i) characteristics of fumigating plume. (3mks)
  - (ii) three routes of exposure to health risks. (6mks)(b) Explain the sources and sinks of major green house gases. (9mks)  
(c) Describe the types and characteristics of major water pollutants. (12mks)
  
2. Step by step, propose a pollution assessment program to be used in appraising pollution situation of Chania River. (20mks)
  
3. Write notes on the following:
  - (a) Wet and dry deposition. (8mks)
  - (b) Indoor pollution-related health risks. (12mks)
  
4. Write briefly on the fate of various pollutants in the environment. (20mks)
  
5. (a) Explain the challenges of managing transboundary pollutants. (6mks)  
(b) Profile the milestones as advanced by the in international community to tackle transboundary pollutants movements. (14mks)
  
6. (a) Categorize key industrial processes that lead to pollution of the environment. (12mks)  
b) Suggest ways of minimizing the effect of local pollution. (8mks)

