



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2016/2017**

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

**MAIN CAMPUS**

**NES 306: ECONOMICS OF POLLUTION CONTROL**

Date: 7<sup>th</sup> December, 2016

Time: 8.30 - 11.30 am

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**INSTRUCTIONS:**

- Answer question ONE and any other TWO questions.



MAIN CAMPUS

NES 306: ECONOMICS OF POLLUTION CONTROL

TIME: 3 HOURS

INSTRUCTIONS

Answer question ONE and any other TWO QUESTIONS

1. a) Elucidate the economic importance of pollution. [10 mks]  
b) Examine the conditions necessary for Pareto optimality. [10 mks]  
c) Define environmental pollution and explain why prevention of pollution is more cost-effective than rehabilitation. [10 mks]
2. With close reference to man's activities of interruption, interference, interaction and intervention with the environment, identify and explain the major types of externalities. [20 mks]
3. Explain and depict graphically what is meant by:
  - a) Negative relationship between the price of an item and the quantity demanded of it. [6 mks]
  - b) Positive relationship between the price of a good which the producers would supply. [6 mks]
  - c) Equilibrium market price [8 mks]
4. Discuss the approaches adopted by your government in dealing with pollution problems. [20 mks]
5. Examine FIVE factors that:
  - a) Affect demand of environmental resources. [10 mks]
  - b) Determine supply of environmental resources. [10 mks]