



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018

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

MAIN CAMPUS

NES 306: ECONOMICS OF POLLUTION CONTROL

Date: 22nd February, 2018

Time: 8.30 - 11.30am

INSTRUCTIONS:

- Answer Question ONE and any other TWO



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FOURTH YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF MENTAL SCIENCE WITH INFORMATION
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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 marks]
 - b) Examine the conditions necessary for Pareto optimality. [10 marks]
 - c) Define environmental pollution and explain why prevention of pollution is more cost-effective than rehabilitation. [10 marks]
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 marks]

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 marks]
 - b) Positive relationship between the price of a good which the producers would supply. [6 marks]
 - c) Equilibrium market price [8 marks]
4. Discuss the approaches adopted by your government in dealing with pollution problems. [20 marks]
5. Examine FIVE factors that:
- a) Affect demand of environmental resources. [10 marks]
 - b) Determine supply of environmental resources. [10 marks]