

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**FORTH YEAR EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE**

ENSC 340: ENVIRONMENTAL POLLUTION AND CONTROL

STREAMS: BSc. ENSC (Y3S1)

TIME: 2 HOURS

DAY/DATE: THURSDAY 01/04/2021

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS

- *Answer three questions in section A and any two in section B*
- *Do not write anything on the question paper*

SECTION A (30 MARKS)

1. Outline the spheres of the environment where pollution is likely to occur. (2 marks)
2. Highlight four effects of ozone depletion. (4 marks)
3. Briefly explain the types of UV radiation and indicate their influence in the atmosphere. (6 marks)
4. Environmental pollution is one of the global environmental challenges. Briefly, discuss (6 marks)
5. Briefly discuss three classes of pollutants from an ecological perspective. (6 marks)
6. Briefly discuss the key components of air pollution. (6 marks)

SECTION B (40 MARKS)

7. a) Discuss the green house effect phenomenon. (10 marks)
b) Explain the effects of global warming. (10 marks)

8. Discuss the causes and effects of water pollution. (20 marks)
9. a) Using a named sector, discuss a waste management hierarchy applicable to the sector. (10 marks)
- b) Discuss how market based instruments can be used in pollution control. (10 marks)

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