

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATION
RESIT/SUPPLEMENTARY / SPECIAL EXAMINATIONS
EXAMINATION FOR THE AWARD OF BACHELOR OF SCIENCE IN
ENVIRONMENTAL SCIENCE**

ENSC 340: ENVIRONMENTAL POLLUTION AND CONTROL

STREAMS: B.SC ENCS (Y3S2)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 11/08/2021

11.30 A.M - 1.30 A.M.

INSTRUCTIONS

- Attempt all questions in section A and any two in section B
- Do not write anything on the question paper

SECTION A (30 MARKS)

- 1) List three characteristics of CFCs that explain their wide-spread use despite their harm (2marks)
- 2) Explain the environmental concerns associated with radioactive wastes (3 marks)
- 3) Briefly, discuss the following phenomenon
 - a. Acid precipitation (5 marks)
 - b. Photochemical smog (5 marks)
- 4) Using statistics, explain the current environmental dilemma (5 marks)
- 5) Briefly discuss the options available in management of radioactive wastes (5 marks)
- 6) Discuss an environmentally waste management hierarchy (5 marks)

SECTION B (40 MARKS)

- 7) Using examples, discuss the classification of air pollutants (20 marks)
- 8) Discuss the sources, effects and management of water pollution (20 marks)
- 9) Discuss the regulatory and economic mechanisms used in pollution control (20 marks)