

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

ENSC 340: ENVIRONMENTAL POLLUTION AND CONTROL

STREAMS: BSC ANPT Y3

TIME: 2 HOURS

DAY/DATE: FRIDAY 12/4/2024

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- Answer all questions in Section A and any OTHER TWO in Section B
- Do not write anything on the question paper

SECTION A (30 MARKS)

1. Explain the effects of the following:
 - (a) Carbon monoxide as an indoor pollutant (4 marks)
 - (b) Sulphur dioxide as an environmental pollutant (4 marks)
2. Distinguish the three types of Radiation. (6 marks)
3. Briefly explain the effects of climate change on animal production. (6 marks)
4. Highlight the four classes of receptors of environmental pollution. (4 marks)
5. List and explain five sources of ground water pollution. (6 marks)

SECTION B: (40 MARKS)

6. Discuss the underlying factors that pose a threat to natural resources. (20 marks)
 7. (a) Briefly discuss the animal production industry as an emission source. (8 marks)
(b) Explain the control of emissions in 7a above. (12 marks)
 8. Discuss the importance and various applications of environmental monitoring. (20 marks)
-