

CHUKA



UNIVERSITY

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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: WEDNESDAY 4/12/2019

2.30 P.M – 4.30 P.M

INSTRUCTIONS

Answer question one in section A and any other two in section B

SECTION A 30 MARKS

1. Outline three causes of environmental degradation [3 marks]
2. Briefly discuss the following phenomenon
 - (a) Acid precipitation [5 marks]
 - (b) Photochemical smog [5 marks]
3. Explain the environmental concerns associated with nuclear wastes. [5 marks]
4. Briefly discuss the management options of radioactive wastes. [6 marks]
5. Using relevant examples explain the current global environmental dilemma. [6 marks]

SECTION B (40 MARKS)

6. (a) Discuss four methods used in determination of chemicals in waste. [10 marks]
(b) Discuss the effects of thermal pollution. [10 marks]
7. (a) Discuss any five alternative sources of fuel. [10 marks]
(b) Discuss the components of a waste management hierarchy. [10 marks]
8. Discuss the application of economic instruments in pollution control. [20 marks]

