

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

THIRD YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

ENSC 340: ENVIRONMENTAL POLLUTION AND CONTROL

STREAMS: B.Sc (ENSC) Y3S1

TIME: 2 HOURS

DAY/DATE: FRIDAY 14/12/2018

2.30 P.M - 4.30 P.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. Explain the impact of oil pollution on aquatic ecosystems. [4 Marks]
2. Explain three strategies that can be employed to stabilize the market for recyclable materials. [3 Marks]
3. Account for the driving forces in development of alternative fuels. [3 Marks]
4. Briefly discuss the role of the three components air pollution scheme. [3 Marks]
5. Briefly explain the water bloom phenomenon. [5 Marks]
6. Explain the influence of ozone reduction on the types of ultraviolet (UV) radiation. [6 Marks]
7. Explain three management strategies for radioactive wastes. [6 Marks]

SECTION B: [40 MARKS]

8. Critically evaluate the waste management options available to manufacturers. [20 Marks]
 9. Discuss the sources and effects of thermal pollution on the environment. [20 Marks]
 10. Systematically discuss the sources of greenhouse gases and their effects on the environment. [20 Marks]
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