

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE IN
TOURISM AND HOSPITALITY MANAGEMENT AND CRIMINOLOGY &
SECURITY STUDIES**

ENSC 00100: INTRODUCTION TO ENVIRONMENTAL SCIENCE

STREAMS: CERT. (CHTM (Y1S1) & CRSS (Y1S3)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 07/8/2019

11.30 A.M. – 1.30 P.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. Define the following terms
 - (a) Ecosystem [1 mark]
 - (b) Biome [1 mark]
 - (c) Pollutant [1 mark]
 - (d) Sustainable development [1 mark]
 - (e) Environmental pollution [1 mark]
2. Highlight 3 relevance of learningg environmental science course in Higher Learning Institutions [3 marks]
3. Briefly explain the pyramid of energy flow [6 marks]
4. Briefly explain 3 roles of the NGOs in environmental management [6 marks]
5. Briefly explain 3 methods of waste disposal and management [6 marks]

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6. Briefly explain 2 ecosystem services [4 marks]

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

7. Discuss eight effects of human population growth on the environment [20 marks]

8. (a) Ecosystems have 2 structures. Briefly explain [4 marks]

(b) Discuss 8 examples of the ecosystem structures mentioned in question 8 (a) [16 marks]

marks]

9. Discuss eight major environmental issues in Kenya [20 marks]

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