

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF CERTIFICATE IN TOURISM AND HOTEL
MANAGEMENT AND ANIMAL HEALTH AND PRODUCTION**

ENSC 00100: INTRODUCTION TO ENVIRONMENTAL SCIENCE

**STREAMS: CTHM (Y1S1) ANHE (Y1S1, Y1S2) CRSS (Y1S1, Y1S2) AND CDEV (Y1S1)
TIME: 2**

HOURS

DAY/DATE: TUESDAY 11/12/2018

2.30 P.M. – 4.30 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;
 - (a) Environmental science/education (2 marks)
 - (b) Environmental pollution (2 marks)
2. Giving examples, differentiate between;
Biotic and abiotic environmental factors (4 marks)
3. List down four importance of environmental education/science. (4 marks)
4. State and explain any three ecosystem goods and services. (6 marks)
5. State and explain any three abiotic environmental factors. (6 marks)
6. State and explain any three biogeochemical cycles. (6 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

7. Discuss the major environmental challenges in Kenya. (20 marks)

8. (a) What is the difference between natural and human-induced environmental hazards? (2 marks)
- (a) Discuss three natural environmental hazards. (9 marks)
- (b) Discuss three human-induced environmental hazards. (9 marks)
9. Discuss the roles of the government, NGOs and public participation in managing the environment. (20 marks)
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