

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF CERTIFICATE IN CRIMINOLOGY AND SECURITY STUDIES

ENSC 00100: INTRODUCTION TO ENVIRONMENTAL SCIENCE/EDUCATION

STREAMS: CERT. CRSS Y1S3 (ODEL)

TIME: 2 HOURS

DAY/DATE: TUESDAY 10/12/2024

2.30 P.M – 4.30 P.M.

INSTRUCTIONS:

- Answer **All** Questions in **SECTION A** and **any Two** in **SECTION B**.
- Do not write anything on the Question paper.

SECTION A: 30 MARKS

1. Define the term environmental education (2 marks)
2. Briefly explain the concept of energy flow within an ecosystem (4 marks)
3. Differentiate between Abiotic and Biotic environmental factors (4 marks)
4. Identify the four spheres of the earth within which natural resources are found (4 marks)
5. Outline 5 causes of water pollution in Kenya (5 marks)
6. List 5 objectives of environmental education (5 marks)
7. Outline 3 factors affecting sustainable development in Kenya (3 marks)
8. Briefly describe the 3R concept of solid waste management (3 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

9. (a) Discuss six impacts of population growth on the environment (12 marks)
- (b) Discuss the reasons for high fertility rates in most developing countries (10 marks)

10. Discuss the importance of environmental education in Kenya (20 marks)
11. (a) Discuss the major environmental challenges in Kenya (10 marks)
- (b) Discuss five water pollution control measures (10 marks)
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