

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

MAIN/EMBU CAMPUS

**EXAMINATION FOR THE AWARD OF CERTIFICATE IN CRIMINOLOGY
AND SECURITY STUDIES**

ENSC 00100: INTRODUCTION TO ENVIRONMENTAL SCIENCE

STREAMS: CRIMINOLOGY (Y1S3)

TIME: 2 HOURS

DAY/DATE: TUESDAY 21/09/2021

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- **Do not write anything on the question paper**
- **Answer all questions in section A and only two in section B**

SECTION A: 30 MARKS

1. Define the following terms as used in Environmental Science. (4 marks)
 - a) Ecosystem
 - b) Population
 - c) Community
 - d) Precipitation
2. Briefly discuss three objectives of environmental education (6 marks)
3. Outline two types of water pollution. (4 marks)
4. Briefly discuss 2 the impacts of improper waste disposal on ecosystem. (4 marks)
5. State various mechanisms that can be applied to address land pollution. (6 marks)
6. Briefly discuss the roles of county government in environmental management. (6 marks)

SECTION B: 40 MARKS

7. a) Discuss various methods of solid waste disposal and management. (10 marks)

- b) Discuss the role of public participation in environmental management. (10 marks)
8. a) Explain any six consequences of human increased population growth on the environment. (12 marks)
- b) Discuss 4 sustainable development practices in Kenya. (8 marks)
9. Discuss the impacts of COVID 19 on human security issues in Kenya. (20 marks)
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