

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

CHUKA AND EMBU CAMPUSES

**EXAMINATION FOR THE AWARD OF CERTIFICATE IN TOURISM AND
HOSPITALITY MANAGEMENT AND CERTIFICATE IN CRIMINOLOGY**

ENSC 00100: INTRODUCTION TO ENVIRONMENTAL SCIENCE

STREAMS: CTHM Y1S1 & CRSS Y1S3

TIME: 2 HOURS

DAY/DATE: MONDAY 29/03/2021

11.30 A.M. – 1.30 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. Write short notes on the following terms:
 - (a) Ecosystem (1 mark)
 - (b) Community (1 mark)
 - (c) Species (1 mark)
2. Briefly explain five objectives of environmental education. (5 marks)
3. Outline three sources of greenhouse gases. (3 marks)
4. Briefly explain four constraints of sustainable development goals. (4 marks)
5. Highlight four spheres of natural environment. (4 marks)
6. Outline five characteristics of Tundra biomes. (5 marks)
7. State six roles of county government in solid waste management. (6 marks)

SECTION B (40 MARKS)

8. Discuss various environmental and social consequences of population growth rate in Kenya today. (20 marks)
9. (a) With the aid of a diagram explain the water cycle. (12 marks)
- (b) Briefly explain components of ecosystem. (8 marks)
10. (a) Discuss five causes and effects of water pollution on aquatic ecosystem. (10 marks)
- (b) Discuss five possible control measures of water pollution. (10 marks)
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