

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**CHUKA / EMBU**

**FIRST YEAR EXAMINATION FOR THE AWARD OF  
CERTIFICATE IN TOURISM & HOTEL MANAGEMENT, CRIMINOLOGY AND  
ANIMAL HEALTH & PRODUCTION**

**ENSC 00100: INTRODUCTION TO ENVIRONMENTAL SCIENCE**

**STREAMS: CHTM (Y1S1), CRSS (Y1S2), ANHE (Y1S2)**

**TIME: 2 HOURS**

**DAY/DATE: TUESDAY 13 /07/ 2021**

**11.30 AM – 1.30 PM**

**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) Sustainable development [2 Marks]
  - (b) Population [2 Marks]
  - (c) Ecosystem [2 Marks]
2. Briefly describe six importance function of abiotic components. [6 Marks]
3. Briefly explain three sources of greenhouse gases. [6 Marks]
4. Identify six obstacles to sustainable development goals. [6 Marks]
5. Outline six objectives of Environmental Education [6 Marks]

**SECTION B( 40 MARKS)**

8. (a) Briefly explain five methods of waste disposal in Kenya
- (b) Discuss five benefits of public participation in environmental conservation and management in Kenya. [10 Marks]
9. You are the Environmental Manager for Embu County, explain to the local community the environmental consequences of increasing population. [20 Marks]
10. (a) Discuss five causes and effects of water pollution on aquatic ecosystems. [10 Marks]
- (b) Discuss five possible control measures of water pollution. [10 Marks]
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