

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATION**

**RESIT/SUPPLEMENTARY / SPECIAL EXAMINATIONS EXAMINATION FOR THE  
AWARD OF DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL  
SCIENCE**

**ENSC 450: SOLID WASTE MANAGEMENT**

**STREAMS: BSc. (ENSC) Y4S1**

**TIME: 2 HOURS**

**DAY/DATE: TUESDAY 4/5/2021**

**8.30 A.M - 10.30 A.M.**

**INSTRUCTIONS:**

1. Answer all questions in section A and any two in Section B
2. Do not write on the question paper

**SECTION A: (30 MARKS)**

1. Briefly explain the concept of Integrated Waste Management. (6 marks)
2. Briefly explain the importance of waste recycling as a way of waste management. (6 marks)
3. Briefly explain any three main ways by which a sanitary landfill protects the environment. (6 marks)
4. Explain any three challenges to Door – Door waste collection in urban areas of Kenya. (6 marks)
5. Briefly explain the different ways by which waste reuse can be accomplished in the household. (6 marks)

**SECTION B: (40 MARKS)**

6. a. Discuss any four concerns on waste incineration. (12 marks)  
b. Explain the factors that may limit the use of waste incineration as a waste management option in Kenya. (8 marks)
7. Discuss five effect of lack of a proper waste management system in most of urban Kenya. (20 marks)
8. A comprehensive solid waste management act is yet to be enacted in Kenya. Explain any five area that you would want the act to emphasize on in future. (20 marks)

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