

CHUKA



UNIVERSITY

SUPPLEMENTARY / SPECIAL EXAMINATIONS

**YEAR FOUR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF
SCIENCE IN ENVIRONMENTAL SCIENCE**

ENSC 450: SOLID WASTE MANAGEMENT

STREAMS: BSc. (ENSC) Y3S2

TIME: 2 HOURS

DAY/DATE: MONDAY 16/11/2020

8.30 A.M - 10.30 A.M.

INSTRUCTIONS:

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

SECTION A (30 MARKS)

1. Briefly explain the role of the waste generator in sustainable waste management. (6 Marks)
2. Briefly discuss the policy and institutional conditions that can explain the existing management strategies of municipal waste. (6 Marks)
3. With examples, differentiate between waste prevention and waste recycling. (6 Marks)
4. Briefly discuss any three examples of the application of 'reuse' at household level. (6 Marks)
5. "Waste is a resource". Briefly explain. (6 Marks)

SECTION B (40 MARKS)

6. With regard to final disposal of solid waste from urban areas in Kenya, discuss what may need to be done to protect human health and safeguard the environment. (20 Marks)
 7. Critique waste to energy options for municipal solid waste, with regard to waste characteristic, social and economic consideration in Kenya. (20 Marks)
 8. Waste picking is a sustainable waste management activity in Kenya, however, a lot need to be done to make it truly sustainable. Discuss. (20 Marks)
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