



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER

**SCHOOL OF NATURAL RESOURCE, TOURISM
AND HOSPITALITY**

**BACHELOR OF URBAN AND REGIONAL
PLANNING**

COURSE CODE: URP 2112-1

COURSE TITLE: WASTE MANAGEMENT

DATE: 4TH APRIL 2022

TIME: 1430-1630 HRS

INSTRUCTIONS TO CANDIDATES: -

Answer ALL the questions in section A and any other THREE questions in section B

This paper consists of 3 printed pages. Please turn over

SECTION A: ANSWER ALL THE QUESTIONS (20 MARKS)

QUESTION 1

Using specific examples, explain what you understand by the 4 R concept of waste management **(4 marks)**

QUESTION 2

Elucidate the various waste water treatment options that are available for Narok town **(4 marks)**

QUESTION 3

Using a well labeled diagram, explain how a septic tank operates **(6 marks)**

QUESTION 4

Differentiate between uncontrolled dumping and sanitary landfill as options of solid waste disposal **(4 marks)**

SECTION B: ANSWER ANY THREE QUESTIONS (30 MARKS)

QUESTION 5

Using a diagram, discuss the functional elements of Solid Waste Management in Narok town **(10 marks)**

QUESTION 6

You have been recently hired by Narok County government to advise on the available options of liquid waste disposal available. Using examples, discuss the options you will propose. **(10 marks)**

QUESTION 7

Using examples, classify the various liquid wastes that are found in your neighborhood and suggest the possible options of their disposal **(10 marks)**

QUESTION 8

Discuss the characteristics of an Integrated Solid Waste Management system
(10 marks)

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