



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

UNIVERSITY REGULAR EXAMS

SCHOOL OF NURSING MIDWIFERY AND PARAMEDICAL SCIENCES

UNIVERSITY EXAMINATIONS

**2023/2024 ACADEMIC YEAR
SECOND SEMESTER**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN
OCCUPATIONAL SAFETY AND GLOBAL HEALTH**

**COURSE CODE: NCG 324 NCO 426
COURSE TITLE: WASTE MANAGEMENT AND SANITATION**

DATE: Tuesday 9TH APRIL 2024

TIME: 8AM -10AM

INSTRUCTIONS TO CANDIDATES

All questions are compulsory

DURATION: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This paper consists of 3 (three) printed pages. Please turn over.

SECTION A- Multiple Choice Questions (MCQs)

Answer all the questions in this section= 7 Marks

True /false statements

1. The waste from one process becomes the input for another process
(a) True
(b) False
2. All the processes related to consumption and production produce some kind of waste
(a) True
(b) False
3. The types and quantity of infectious waste in health facilities are easily identified and of quantified.
(a) True
(b) False
4. Transmission of disease from infectious waste can be only through direct contact and airborne
(a) True
(b) False
5. Red bins in a hospital environment are for biodegradable waste
(a) True
(b) False
6. Disposal is the initial stage during solid waste management.
(a) True
(b) False
7. There is no real waste in nature
(a) True
(b) False

SECTION B- Short Essay questions (SEQs)

Answer all the questions in this section= 33 Marks

1. Define the following terminologies associated with waste management
(a) Waste (1mark)
(b) Sanitation (2 mark)
2. Give 8 (eight) examples of wastes classified with reference to the source (8 marks)
3. Why do we manage wastes (8 Marks)
4. Describe the three (3) key principles of waste management (6 marks)
5. Comparing Kenyan and Japan in terms of waste disposal and management, why is it that Kenya is still struggling? (8 Marks)

SECTION C- Long Essay questions SEQs)

Answer all the questions in this section =60 Marks

1. (a) Why do we characterize wastes (2 Marks)
(b) Describe how you would characterize wastes (16 marks)
2. While working at Kakamega County headquarters, as the minister of environment, you notice that there is a lot of litter around the town, ...denoting a problem of solid wastes management. How will you correct/deal with the problem? Discuss (20 Marks)
3. Because of the upsurge on the population of Kakamega Municipality, there is need of prudent handling and management of liquid wastes.
(a) Define liquid wastes (2 Marks)
(b) Describe liquid waste management disposal methods and principles (20 marks)

END