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

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

MAIN EXAM

2023/2024 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATION

FOR THE DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT.

COURSE CODE: CHD 317

COURSE TITLE: WASTE MANAGEMENT.

DATE: 14TH / 12/ 2023

TIME: 9.00 -11.00AM

INSTRUCTIONS TO CANDIDATES:

Answer ALL questions in section A and any two questions in section B.
TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

Paper Consists of 2 Printed Pages. Please Turn Over



SECTION A (40 MARKS): ANSWER ALL QUESTIONS IN THIS SECTION, EACH QUESTION CONTAINS 4 MARKS.

1. Define the following terms according to waste management techniques (4 mks)
 - I) Decomposition
 - II) Combustible
 - III) Influent
 - IV) Waste management.
2. Outline four importance of waste to public health concern. (4 mks)
3. Highlight the characteristics of waste that are suitable for incineration. (4 mks)
4. Highlight four classifications of liquid waste. (4 mks)
5. Outline four major methods of solid waste disposal. (4 mks)
6. Outline four factors to be considered when constructing a pit latrine. (4 mks)
7. Briefly outline four strategies that the government of Kenya Can put in place to reduce waste disposal in urban areas. (4 mks)
8. Differentiate between biodegradable and non-biodegradable. (4 mks)
9. Briefly explain factors that Masinde Muliro University of science and technology should consider in managing the waste in the institution. (4 mks)
10. State four sources of waste giving relevant example in each. (4 mks)

SECTION B: ANSWER ANY TWO QUESTIONS IN THIS SECTION (30 MARKS).

1.
 - a) Describe major main functional elements of solid waste management system (12 mks).
 - b) Outline 3 types of PPEs that are important when handling wastes. (3mks).
2. Describe the procedures to follow in constructing a composting site for waste disposal. (15 marks).
3. Paraphrase ten factors that Kakamega County should consider before collect and dispose the generated waste in Kakamega town. (15 marks).