



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

SPECIAL EXAMINATIONS
FIRST YEAR EXAMINATION FOR THE AWARD OF THE
DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT
SECOND SEMESTER, 2021/2022
(FEBRUARY - JUNE, 2022)

COMH 0136: ENVIRONMENTAL HEATH 1

STREAM: Y1 S2

TIME: 2 HOURS

DAY:

DATE: 00/07/2022

INSTRUCTIONS:

- 1. Do not write anything on this question paper.*
- 2. Answer ALL questions in section A (Compulsory) and any of your choice from section B.*

Section A

1. Explain the following terms.

- | | |
|----------------------|----------|
| (a) Pollution | [1 mark] |
| (b) Contaminant | [1 mark] |
| (c) Conservancy | [1 mark] |
| (d) Wastes | [1 mark] |
| (e) Aerobic bacteria | [1 mark] |

2. (a) Describe possible sources of water pollution. [6 marks]
(b) Explain the effects of air pollution. [6 marks]
3. (a) Explain how improper excreta disposal is related to environment health. [6 marks]
(b) Elucidate possible ways of preventing water related diseases.

[6 marks]

4. (a) Explicate the composition of a municipal liquid waste. [5 marks]
5. (b) Briefly explain steps of solid waste management. [6 marks]

SECTION B

4. (a) A Community health extension worker (CHEW) from rural part of Kenya tries to explain the most common conservancy system in the area.

Explain the common components of the system. 10 marks (b) Describe chemical closet. [5 marks]

5. Discuss the process of sewage treatment. 15 marks 6 (a) •Discuss control tipping as a solid waste disposal method.

[10 marks]

- (b) Describe the environmental effects of crude dumping. [5 mark]