



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 DEGREE OF BACHELOR OF SCIENCE IN COMMUNITY HEALTH

COURSE CODE: HCD 216

COURSE TITLE: WATER SUPPLY MANAGEMENT

DATE: 5/12/2023

TIME: 2.00-4.00 PM

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: ANSWER ALL QUESTIONS (40 MARKS)

1. State four ways in which access to water in a community may be restricted (4 marks)
2. List factors that can affect water usage in a community or household? (6 Marks)
3. What should you consider when determining a suitable water supply source for a certain community (3 marks)
4. What measures should be put in place to prevent contamination of a well as a community water source (6 marks)
5. State any five characteristics of good drinking water (5 marks)
6. List at least six physical properties that affect the quality of water (6 marks)
7. Name three uses of water giving examples for each use (6 marks)
8. What problems are associated with the use of Hard Water? (4 Marks)

SECTION B: ANSWER ANY TWO (2) QUESTIONS (30 MARKS)

9. Water safety is critical to health and well-being in the community. Discuss the small-scale water treatment methods that can be used to guarantee its safety (15 marks)
10. Water can be rendered unfit for human consumption or injurious to animal health. Describe the possible sources of water pollution (15 Marks).

11. Discuss the four classifications of Water Related infections transmission mechanisms by which disease may be transmitted from one person to another (15 marks)

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