



(University of Choice)

**MASINDE MULIRO UNIVERSITY SCIENCE AND TECHNOLOGY**

**(MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**MAIN EXAM**

**2021/2022 ACADEMIC YEAR**

**SECOND YEAR SECOND SEMESTER EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN  
ENVIRONMENTAL HEALTH**

**COURSE CODE: HEH 221**

**COURSE TITLE: COMMUNICABLE DISEASES**

**DATE: 19/04/2022**

**TIME: 12.00-2.00 PM**

---

**INSTRUCTIONS TO CANDIDATES:**

**THIS PAPER CONSISTS OF TWO SECTIONS, A AND B. Answer all questions in section A and any Two in section B**

Read additional instructions under each section

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. As an environmental health student, state any 4 importance of communicable diseases control (4marks)
2. Explain each of the following terms as applied to communicable diseases control
  - a) Isolation (1marks)
  - b) Quarantine (1marks)
  - c), Decontamination (1marks)
  - d) Surveillance (1marks)
3. Different diseases are common in different places at different times. To understand why this happens, we need to consider the organism causing the disease, the agents, and the host and the environment. Discuss (4marks)
4. An agent can be transmitted to the host in two ways, explain (4marks)
5. As an environmental Health student, explain how you can manage communicable diseases on a population (4marks)
6. Define typhoid fever and state the prevention and control measures (4marks)
7. State any 4 disease prevention and control strategies (4marks)
8. Define the term contact tracing and explaining how it is carried out (4marks)
9. Giving examples describe main methods of communicable disease control (4marks)  
control
- 10) Outline the main symptoms of the following communicable diseases:
  - i) Cholera (2marks)
  - ii) Severe Acute Respiratory syndromes (SARS) (2marks)

**SECTION B; ANSWER TWO QUESTION ONLY (15 MARKS EACH)**

1 Communicable disease is that one that spreads from one person to the other, select one and describe its aetiology, mode of transmission and, signs and symptoms, diagnosis, treatment, prevention and control

i-) Schistosomiasis

ii)Dysentery

(15marks)

2.) Helminthiasis is one of neglected Tropical diseases. Discuss one type of helminthes causative; agent, mode of transmission, signs and symptoms, diagnosis, treatment prevention and control

i) Round worm infection (Ascariasis)

ii) Hookworm infection (ancylostomiasis)

iii) Tapeworm infection (taeniasis)

(15marks)

3a) Discuss prevention and control measures of Severe Acute Respiratory Syndromes (SARS)

b) Explain how disease outbreak investigation can be carried out, prevent and control (10marks)

