



*(University of Choice)*

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

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**SPECIAL/ SUPPLEMENTARY EXAM**

**2021/2022 ACADEMIC YEAR**

**SECOND YEAR SECOND SEMESTER EXAMINATION**

**FOR THE DIPLOMA IN COMMUNITY HEALTH.**

**COURSE CODE: CHD 224.**

**COURSE TITLE: PRINCIPLES OF DISEASE PREVENTION.**

**DATE: 3/08/2022**

**TIME: 2.00-4.00 PM**

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**INSTRUCTIONS TO CANDIDATES:**

1. SECTION A IS **COMPULSORY**. (40 MARKS)
2. SECTION B: ANSWER ANY OTHER **TWO** QUESTIONS. (30 MARKS)
3. **DO NOT** WRITE ANYTHING ON THIS QUESTION PAPER AS IT WILL BE AN EXAM IRREGULARITY.
4. ALL ROUGH WORK SHOULD BE AT THE BACK OF YOUR ANSWER BOOKLET AND CROSSED OUT.

**TIME: 2 Hours**

MMUST observes **ZERO** tolerance to examination cheating

Paper Consists of 2 Printed Pages. Please Turn Over.



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**SECTION A [ANSWER ALL QUESTIONS IN THIS SECTION]- 40MARKS**

1. Briefly discuss the levels of disease prevention. (4 marks)
2. State the main routes of disease transmission. (4 marks)
3. State the levels of disease infection. (4 marks)
4. Highlight the specific goals of Integrated Disease Surveillance and Response System (IDSR) (4 marks)
5. State the tests conducted in diagnosis of Tuberculosis. (4 marks)
6. Outline the types of carriers. (4 marks)
7. State the characteristics of communicable diseases. (4 marks)
8. State the stages of the pathogenesis period of a disease. (4 marks)
9. Outline four pre-requisites or conditions for transmission of a communicable disease. (4 marks)
10. State the community activities that can be carried as prevention and control measures of a disease. (4 marks)

**SECTION B [ANSWER ANY TWO QUESTIONS]- 30 MARKS.**

1. A. State the criteria for selecting personal protective equipment. (5 marks.)  
B. Discuss the types of personal protective equipment. (10 marks)
2. a) Define the following terms: (5 marks)
  - i. Disease Surveillance.
  - ii. Pandemic.
  - iii. Endemic.
  - iv. Epidemic.
  - v. Sporadic.  
b) Compare the five differences between AIDS case surveillance and HIV sero-surveillance. (10 marks)
3. Discuss the steps of epidemic investigation. (15 marks)