



**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY**

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

MAIN 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: 20/4/2022

TIME: 3-5PM

INSTRUCTIONS TO CANDIDATES:

Answer all questions in **SECTION A** and any two from **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 IN THIS SECTION]- 40MARKS

1. Briefly discuss the levels of disease prevention. (4 marks)
2. State the levels of disease infection. (4 marks)
3. Outline four pre-requisites or conditions for transmission of a communicable disease. (4 marks)
4. State the stages of the pathogenesis period of a disease. (4 marks)
5. Name four classifications of communicable diseases. (4 marks)
6. State the body's natural defenses to eliminate or kill disease-causing pathogens. (4 marks)
7. Outline the types of carriers. (4 marks)
8. Name four types of hand hygiene. (4 marks)
9. State the community activities that can be carried as prevention and control measures of a disease. (4 marks)
10. Highlight the criteria for selecting a Personal Protective Equipment (PPE). (4 marks)

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

1. Discuss tuberculosis under the following aspects: (15 marks)
 - a) Causative agent and mode of transmission. (2 marks)
 - b) Pathogenesis. (5 marks)
 - c) Signs and symptoms. (5 marks)
 - d) Diagnosis, prevention and control. (3 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)