



University of Choice

**MASINDE MULIROUNIVERSITY OF
SCIENCE AND TECHNOLOGY (MMUST)**

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

MAIN EXAMINATION

FIRSTYEAR SECONDSEMESTER EXAMINATIONS

FOR THE DEGREE OF

MSC. PUBLIC HEALTH NUTRITION

COURSE CODE: PHN 872

COURSE TITLE: FUNDAMENTALS OF PUBLIC HEALTH

DATE: 19TH APRIL 2022

TIME: 2.00PM – 5.00PM

INSTRUCTIONS TO CANDIDATES

1. Answer anyfour questions.
2. Each question contains a total of 25 marks.
3. TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating.

This Paper Consists of 2 Printed Pages. Please Turn Over

THERE ARE FIVE LONG ANSWER QUESTIONS. ANSWER ANY FOUR QUESTIONS.

- 1)
- a) Identify six factors upon which successful disease prevention is dependent upon **(6 mark)**
 - b) Elaborate on the health promotion and specific health protection measures of primary disease prevention **(10 marks)**
 - c) Explain the preventable causes of disease **(9 marks)**
- 2)
- a) Discuss the core functions of public health **(13marks)**
 - b) Give six reasons to distinguish between medicine and public health **(6 marks)**
 - c) Outline 6major achievements of Public Health during the 20th century **(6 marks)**
- 3) Factors that influence health fall under several broad categories. By citing five relevant and practical examples within the Kenyan context, explain how each of the following factors will either positively or negatively affect well-being.
- a) Policy making **(5 marks)**
 - b) Social factors **(5 marks)**
 - c) Health services **(5 marks)**
 - d) Individual behavior **(5 marks)**
 - e) Biology and genetics **(5 marks)**
- 4) Changes in the greenhouse gas concentrations and other drivers alter the global climate and bring about myriad human health consequences
- a) Discuss the global impact of climate change **(10 marks)**
 - b) Discuss the impacts of climate change on human health **(10 marks)**
 - c) Outline mitigation and adaption strategies for climate change **(5 marks)**
- 5)
- a) Outline the characteristic of Public Health law **(5 marks)**
 - b) Enumerate five objectives of Public Health Act **(5 marks)**
 - c) By simply making public health laws health problems cannot be solved. State five support factors that will be important in making health laws effective **(5 marks)**
 - d) Articulate the importance of public health laws at a global level by giving five reasons **(10 marks)**