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MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

MAIN EXAM

2023/2024 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH

COURSE CODE: PPP 111

COURSE TITLE: FUNDAMENTALS OF ENVIRONMENTAL HEALTH

DATE: 5/12/2023

TIME: 8.00-10.00 AM

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INSTRUCTIONS TO CANDIDATES:

The paper has two sections A and B. Answer any TWO questions in section A and B

MMUST observes ZERO tolerance to examination cheating

Paper Consists of 2 Printed Pages. Please Turn Over



SECTION A: Short Answer questions (SAQs) 40 marks

GENERAL INSTRUCTIONS

- i. There are eight (8) questions in this section.
- ii. Answer all the eight questions. Each Question is 5 marks
- iii. Answer the questions in the space provided

SAQ1. Define the following terms: [5 marks]

- i. Health [1½marks]
- ii. Environmental health [2 marks]
- iii. Ethics [1½ marks]

SAQ2. Highlight five (5) functions of primary health care? [5 marks]

SAQ 3. State three natural sources and two manmade sources of air pollution [5 marks]

SAQ4. How do insects impact on human health and well-being? [5 marks]

SAQ5. Explain five main environmental health concerns facing our world today [5 marks]

SAQ6. State FIVE primary classifications of solid wastes. [5marks]

SAQ7. Give the difference between Acute Diseases and Chronic Diseases [5 marks]

SAQ8. What are the key professional ethics that environmental health practitioners must adhere to? [5 marks]

SECTION A: LONG ESSAY QUESTIONS (LEQ) [30 Marks]

INSTRUCTIONS:

- (I) THERE ARE THREE (3) QUESTIONS IN THIS SECTION
- (II) ANSWER ANY TWO(2) OF THE THREE (3) QUESTIONS
- (III) START EACH QUESTION ON A FRESH PIECE OF PAPER OF THE BOOKLET

LAQ1. Discuss the processes of rain cycle and explain how their effects on public health [15marks]

LAQ2. Discuss the triple "A" Cycle under the following subheadings. [15Marks].

LAQ 3. Briefly discuss the contribution of the following to the field of public health [15Marks]

LAQ 3. Discuss the powers of a public health officer as prescribed in the public health Act Cap 242 and food drugs and chemical substances act cap 254 laws of Kenya. Cite specific sections of the laws stating the powers contain there in. [15Marks]