



MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

MAIN EXAM

2023/2024 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH

COURSE CODE: HEH 217

COURSE TITLE: FOOD SCIENCE AND TECHNOLOGY

DATE: 8/12/2023

TIME: 2.00-4.00 PM

INSTRUCTIONS TO CANDIDATES:

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

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This 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. Differentiate between an infection and intoxication [5 marks]

SAQ2. State FIVE (5) signs of insect infestation in a food establishment. [5 marks]

SAQ3 (a).Name three pathways of exposure to mycotoxins by human beings. [5 marks]

(b).Name two sources of mycotoxins. [2 marks]

SAQ4. Determine six conditions for bacterial growth and development. [5 marks]

SAQ5. How would you prevent Direct Contamination Of food items in a food establishment? [5 marks]

SAQ6. State the importance of the potential hazards to a public health practitioner during food inspection.

[5 marks]

SAQ7. List FIVE (5) reasons for a good packaging material for food. [5 marks]

SAQ8). What is the purpose for blanching (immersing food in hot water) fruits and vegetables?

[5 Marks]

SECTION B: 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. Explain Unit Operations in Food Processing in Kenya. (15marks)

LAQ2. Discuss the composition and quality of foods in food establishment in Kenya. (15Marks)

LAQ3. Discuss the Principles of Food Preservation in a food industry in Kenya. (15Marks)