



UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF
BACHELOR OF SCIENCE IN FOOD, NUTRITION AND DIETETICS
SECOND SEMESTER 2022/2023
[JANUARY-APRIL, 2023]**

FOND 210: FOOD SAFETY AND HYGIENE

STREAM: Y2S2

TIME: 2 HOURS

DAY: WEDNESDAY, 2:00 – 5:00 PM

DATE: 29/03/2023

INSTRUCTIONS

- 1. Do not write anything on this question paper.**
- 2. Answer question ONE and any other TWO questions in Section B.**

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

1. Differentiate between (6 marks)
 - a. Hazard and risk
 - b. Chemical risks and emerging risks
 - c. Food safety and food standards
2. Explain the effects of consuming vegetables planted in soils containing heavy metals (6 marks)
3. Explain why WHO considers foodborne illness a public health problem in the world today (5 marks)
4. Discuss the hygiene measures related to facilities and equipment meant for food (8 marks)
5. Explain how the transmission of intestinal worms to man is due to poor hygiene (5 marks)

SECTION B: ANSWER ANY TWO QUESTIONS ONLY (40 MARKS)

1. Citing relevant examples, discuss how biological risks contribute to food contamination (20 marks)
2. Discuss the interacting factors which increase the number of cases of foodborne illness (20 marks)
3. Discuss
 - a. The Hazard Analysis Critical Control Point (HACCP) principles, cite relevant examples (10 marks)
 - b. The advantages of the food Safety Management System in a company that deals with food (10 marks)