



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF HEALTH SCIENCES**  
**UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND**  
**DEVELOPMENT**  
**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2023/2024 ACADEMIC YEAR**  
**KISUMU**

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**COURSE CODE: AFB 2111**

**COURSE TITLE: INTRODUCTION TO FOOD SECURITY**

**EXAM VENUE: STREAM: (Dip. Comm Hlth & Dev)**

**DATE: EXAM SESSION:**

**TIME: 1.30 HOURS**

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**Instructions:**

- 1. Answer all the questions in Section A and ANY other TWO questions in Section B.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

## **SECTION A (30 MARKS)**

**Answer all the questions in this section**

1. Define the following terms
  - a) Food Security (2 marks)
  - b) Protein-energy malnutrition (2 marks)
2. What is ASAL in full? (1 mark)
3. Name TWO factors that determine energy requirements of an individual? (2 Marks)
4. Using examples name THREE biological hazards likely to contaminate food. (3 marks)
5. Using example differentiate between essential and non-essential amino acids? (4 marks)
6. How can availability of food as a pillar of food security be improved in Kenya? (4 marks)
7. Name factors that determine energy requirements of an individual? (4 marks)
8. Name TWO nutritional disorders likely to be caused by modern feeding habits? (4 marks)
9. Mention TWO long term interventions by the Kenya Government to address the problem of food insecurity (4 marks)

## **SECTION B (30 MARKS)**

**Answer any two (2) questions in this section**

1. a) Discuss some of the ways of promoting proper food hygiene in our homes? (5 marks)  
b) Discuss the principles of food preservation? (10 marks)
2. a) What are some of the factors causing food insecurity in Kenya? (5 marks)  
b) Discuss the effects of population growth on food security? (10 marks)
3. a) What are some of the major functions of proteins? (5 marks)  
b) Discuss any TWO causes of climate change? (10 marks)