



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR THE DIPLOMA IN COMMUNITY HEALTH AND
DEVELOPMENT**

1ST YEAR 1ST SEMESTER 2018/2019

KISUMU CAMPUS

COURSE CODE:	AFB 2111
COURSE TITLE	INTRODUCTION TO FOOD SECURITY
EXAM VENUE:	STREAM
DATE: (DEC 2018)	EXAM SESSION:
TIME:	2 HOURS

Instructions:

- 1. Answer all questions in section A and any other 2 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: ANSWER ALL THE QUESTIONS (30 MARKS)

1. What do you understand by the term “chronic food” insecurity? (2Marks)
2. State three causes of global climate change (3 Marks)
3. Define the following terms; i) income poverty; ii) human poverty; and iii) undernourishment (3 Marks)
4. Mention three ways in which flood disaster can affect food security of the population (3 Marks)
5. Using example differentiate between essential and non-essential amino acids. (4 marks)
6. Mention three long term interventions that can help to address the problem of food insecurity (3 Marks)
7. Name factors that determine energy requirements of an individual. (4 marks)
8. List and explain three pillars of food security (3 Marks)
9. State two differences between chronic Food insecurity and Transitory Food insecurity (2 Marks)
10. Mention any three micronutrients that the body requires to function normally (3 Marks)

SECTION B: ANSWER ANY TWO (2) QUESTIONS IN THIS SECTION (30 MARKS)

1. Food Industry is important for Kenya’s economy for employment creation and foreign exchange earnings. Name and discuss 2 such industries with respect to challenges they are facing and available opportunities for their improvement. (15 Marks)
2. (a) Discuss three factors that determine food quality. (15 Marks)
3. (a) Explain how climate change affects food security and nutrition (15 Marks)
4. Discuss 2 nutritional challenges and 2 strategies employed by the Kenya Government to address these challenges under the following 2 stages of human life; (15 Marks)
 - i) Maternal and newborn nutrition
 - ii) Early childhood nutrition