



**JARAMOGI OGINGA ODINGA UNIVERSITY  
OF SCIENCE & TECHNOLOGY  
UNIVERSITY EXAMINATIONS 2012/2013  
1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER EXAMINATION FOR THE  
DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT  
(KISUMU LEARNING CENTRE)**

**COURSE CODE: AFB 2111**

**COURSE TITLE: INTRODUCTION TO FOOD SECURITY**

**DATE: 12/8/2013**

**TIME: 9.00-10.30AM**

**DURATION: 1.30 HOURS**

**INSTRUCTIONS**

- 1. This paper consists of two sections A and B.**
- 2. Answer Question 1 (Compulsory) and any other 2 questions.**
- 3. Write your answers on the answer booklet provided.**

**SECTION A (30 marks)**

1. Define food security. (3 marks)
2. Give **three** reasons why Kenya is food insecure. (3 marks)
3. Explain why school gardening and school feeding programme is good for food security (3 marks)
4. What are the functions of the following food groups?
  - a. Carbohydrates
  - b. Proteins
  - c. Vitamins (3 marks)
5. Outline **three** differences between traditional and urban household diets. (3 marks)
6. Explain **three** methods of food preservation in areas without electricity. (3 marks)
7. a. Define FAO? (1 mark)  
b. What role does it play in global food security? (2 marks)
8. Describe the role of street foods in food security for the urban dwellers (3 marks)
9. Discuss the role of home gardens in household food security and nutrition. (3 marks)
10. Explain the effect of rapid population growth on food security. (3 marks)

**SECTION B (30 marks)**

11. Discuss **five** sustainable production methods in agriculture to increase food production in Kenya. (15 marks)
12. List and explain five coping strategies during acute food insecurity. (15 marks)
13. Discuss the use of home gardens to improve food security in household. (15 marks)
14. Explain in detail three ways of assessing the nutritional status of a child (15 marks)