



**JARAMOGI OGINGA ODINGA UNIVERSITY
OF SCIENCE & TECHNOLOGY**

UNIVERSITY EXAMINATIONS 2012/2013

**1ST YEAR 1ST SEMESTER EXAMINATION FOR THE DIPLOMA
IN COMMUNITY HEALTH AND DEVELOPMENT**

(KISII)

COURSE CODE: AFB 2111

COURSE TITLE: INTRODUCTION TO FOOD SECURITY

DATE: 14/8/2013

TIME: 2.00-3.30 PM

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 one : All questions are compulsory (Total Marks 30)

Question one

- a) State **three** pillars of food security. (3marks)
- b) State **four** components of food system. (4 marks)
- c) Explain **four** factors that negatively affect food industry. (4 marks)
- d) State **three** factors that influence food quality. (3marks)
- e) Briefly explain **five** human nutritional requirements. (5 marks)
- f) State **five** ways in which culture influences food security. (5 marks)
- g) Outline **five** ways in which population growth impacts on food industry. (5 marks)
- h) State how millennium goal number one relates to food security. (5marks)

Section two: Answer only two questions

Q 2. Food processing is one of the components of food security

- a) Explain **five** reasons for food processing. (5marks)
- b) Describe the commonest food processing methods. (11 marks)
- c) State **four** disadvantages of food processing. (4 marks)

Q 3. You have been invited to give a health talk to mothers in MCH of food classification nutritional value and sources

- a) Explain the food classification. (5 marks)
- b) Describe factors that influence the consumption of the classified foods. (12 marks)
- c) State three interventions you would put in place to improve availability of foods classified above. (3 marks)

Q4. Food safety is a key factor in food security

- a) State **four** factors that influence food safety. (4 marks)
- b) Describe the effects of consumption of unsafe food. (12 marks)
- c) State four methods of ensuring food safety. (4 marks)