



**JARAMOGI OGINGA ODONGA UNIVERSITY OF SCIENCE
AND TECHNOLOGY
UNIVERSITY EXAMINATIONS 2012/2013
1ST YEAR 1ST SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE (FOOD SECURITY
AND BIODIVERSITY)
(REGULAR)**

COURSE CODE: AFB 3111

COURSE TITLE: INTRODUCTION TO FOOD SECURITY

DATE: 23/4/2013 TIME: 9.00-11.00AM

DURATION: 2 HOURS

INSTRUCTIONS

- 1. This paper contains TWO sections.**
- 2. Answer ALL questions in section A (Compulsory) and ANY other Two questions in section B.**
- 3. Write all answers in the booklet provided.**

1

a). Definition of food security entails three key dimensions that must be achieved for attainment of food sufficiency. Identify and briefly explain the variables. (6 points)

b). Briefly explain the world's long term food security concerns. (4 points)

2

a). There are many factors that interact to create the food insecurity in a country. List and briefly explain 10 factors often noted in third world countries. (5 points)

b). Differentiate between individualistic and collectivistic cultures in food purchasing behavior. (5 points)

c). How are the individualistic culture disadvantages in food shopping? (5 points)

3

a). Why is malnutrition so much related to under nutrition in third world countries? (5 points)

b) One of the key message in food security is that hunger is not acceptable in all communities of the world. How true is this message in Kenya? (5 points)

c) How come income and poverty index do not adequately measure food insecurity? (5 points)

SECTION B: ANSWER ONLY TWO QUESTIONS FROM THIS SECTION (30**MARKS)**

4

a). Imagine you have an assignment to go back to your community to serve for three months to try and convince the people to change some food habits that might be compromising their food security. Outline the key points you would address to change their food habits

b). Explain what community need assessment is and why it is important in community service.

c). Suggest one best method of need assessment you would use to promote your course in changing food habits in your community (Defend your choice)

5

a). Identify and name any one ecological zone in Kenya and discuss how climate change has influenced peoples' lifestyle in the area. Be specific and briefly describe the ecological conditions in the selected zone.

b). Climate change has great impact in both rural and urban areas. Discuss how global warming may affect those who live in the urban areas.

c). Show how county governments can promote resilience for the most vulnerable households in the zone during climate change.

6

a). Briefly explain the key objectives of the FAO Integrated Food Security Support Service in Kenya.

b). From the News Paper Clip presentations in class this semester, how would FAO fit in the projects to assist national program to ensure food security?