



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES
UNIVERSITY EXAMINATION FOR THE DIPLOMA IN COMMUNITY HEALTH AND
DEVELOPMENT
1ST YEAR 1ST SEMESTER 2015/2016 ACADEMIC YEAR
KISII CAMPUS-PART TIME

COURSE CODE: AFB 2111

COURSE TITLE: INTRODUCTION TO FOOD SECURITY

EXAM VENUE: KISII

STREAM:

DATE:

EXAM SESSION:

TIME: 1.5 HOURS

Instructions:

- 1. Answer all questions in section A and any two 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

1. Define the term Food security (3Marks)
2. Define the term Food technology (2Marks)
3. What is Food processing? (2Marks)
4. State any three effects of the rise in food prices on our economy (3marks)
5. What is the role of Food Agricultural Organization (FAO)? (2 marks)
6. What is the effect of population growth on food security? (3 marks)
7. Explain irradiation method of food preservation (2 marks)
8. Explain dehydration method of food preservation (2 marks)
9. Explain Freezing method of food preservation (2 marks)
10. What is the importance of restricting access of personnel into food processing areas? (3Marks)
11. State three sources of food (3 marks)
12. Highlight the effect of civilization on food consumption (3 marks)

SECTION B

1. a) Discuss both positive and negative effects of the use of Genetically Modified Organisms (GMOs) (10Marks)
b) Discuss any three traditional methods of food preservation (5Marks)
2. a) Discuss the four pillars of food security (8 marks)
b) Outline and explain the challenges to achieving food security in Africa (7 marks)
3. a) Discuss the various food security measures taken in food processing areas (12 marks)
b) Explain the '5 seconds rule' and its recommendations as far as household hygiene is concern. (3 marks)
4. Discuss the strategies that you will advise the government of Kenya to put in place in order to curb the problem of food insecurity in north eastern Kenya region (15 Marks)