

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

KISII LEARNING CENTER

CERTIFICATE/DIPLOMA IN COMMUNITY HEALTH DEVELOPMENT

SUBJECT CODE: AFB 2111 ;INTRODUCTION TO FOOD SECURITY

1ST YEAR 2ND SEMESTER 2014 ACADEMIC YEAR

DATE:

TIME: 1.5 HOURS

INSTRUCTION

1. Answer question one (COMPULSORY) and any other two.
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

Question one

- a) **Define the following terms.**
 - (i) Food security: (2Mks)
 - (ii) Food insecurity: (2Mks)
 - (iii) Nutrition (2Mks)
- b) **Briefly explain the effect of the following conditions on food security.**
 - (i) Climate change (3Mks)
 - (ii) Water crisis (3Mks)
 - (iii) Desertification (3Mks)
 - (iv) Population growth (3Mks)
- c) **Why are the following measures important in the food industry?**
 - (i) Training in food security procedures (3Mks)
 - (ii) Restricted access (2Mks)
 - (iii) Storage (2Mks)
 - (iv) Security of water and utilities (2Mks)
- d) **List the sources of food (3Mks)**

SECTION B

Question two

- a) Discuss the four pillars of food security (8Mks)
- b) What are the challenges towards achieving food security in Kenya? (7Mks)

Question three

- a) Discuss the various methods of food preservation (10Mks)
- b) What principles must be followed when handling food? (5Mks)

Question four

- a) Explain the Influence of culture and civilization on food consumption in Kenya. (8Mks)
- b) What is the implication of population growth to food industry? (7Mks)

Question five

- a) What steps, in your view will you advise the Kenyan government to take in order to improve on food production? (10Mks)
- b) List 5 effects of food shortage in Africa (5Mks)