



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS 2012/2013

**1ST YEAR 1ST SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR
OF SCIENCE IN COMMUNITY HEALTH AND DEVELOPMENT & BACHELOR
OF SCIENCE IN PUBLIC HEALTH**

(KISUMU LEARNING CENTRE)

COURSE CODE: AFB 3111

COURSE TITLE: INTRODUCTION TO FOOD SECURITY

DATE: 20/4/2013 TIME: 11.00-13.00PM

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.

SECTION A (30 marks)

- a) Explain the causes of food insecurity. (3 marks)
- b) Describe briefly the new tool to be launched by FAO for assessing food insecurity. (3 marks)
- c) Explain the importance of food safety and quality control in ensuring food security. (3 marks)
- d) Explain the importance of school nutrition and community nutrition awareness. (3 marks)
- e) Contrast traditional diets to modern urban household diets. Which types are healthier? (3 marks)
- f) Explain global strategies for increased food production to cope with population growth. (3 marks)
- g) Describe three strategies/programs initiated by FAO to reduce food insecurity. (3 marks)
- h) Explain HACCP and the attributes of food quality. (3 marks)
- i) Discuss the role of home gardens in household food security and nutrition. (3 marks)
- j) Explain four methods of food preservation in rural areas without electricity. (3 marks)

SECTION B (40 marks)

- k) The growing problem of food insecurity in Kenya is linked to agricultural production. Discuss how climate smart agriculture can change the current food security status in Kenya. (20 marks)
- l) List and explain the National Food Security and Nutrition policy objectives and their implementation instruments. (20 marks)

- m) Discuss the effect of civilization in Africa on food consumption habits and how it affects food security in the continent. (20 marks)
- n) i) Explain the "Food Price Index" and give its uses. (5 marks)
- ii) Discuss the FAO Global Information and Early Warning System (GIEWS). (15 marks)