



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN FOOD
SECURITY**

2ND YEAR 1ST SEMESTER 2016/2017 ACADEMIC YEAR

REGULAR

COURSE CODE: AFB 3211

COURSE TITLE: FOOD SECURITY AND COMMUNITY NUTRITION

EXAM VENUE: ---

STREAM: BSc. (Food Security)

DATE: ----

EXAM SESSION: ----

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in section A and ANY other 2 Questions in section B.**
- 2. Candidates are advised not to write on question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A (30 MARKS)
Answer ALL questions in this section

1. Explain the following terms:
 - a). community food security. (5 marks)
 - b). community diagnosis of malnutrition (5 marks)

2. List six strategic thrusts for the Kenya National Food Security and Nutrition Policy. (6 marks)

3. Briefly describe the activities you would engage the community in order to improve the dietary diversity at household level. (5 marks)

4. Name two community safe sources of iron and vitamin A. (2 marks)

5. Briefly explain the causes and preventive measures of the following in a community:
 - a). Kwashiorkor (2 marks)
 - b). Marasmus (2 marks)

6. Name the nutritionally vulnerable individuals in a community. (3 marks)

SECTION B: (40 MARKS)
Answer ANY TWO questions from this section

1. Study the graph 1 (attached) and answer the following questions:
 - a). From time of birth (age 0) to age 1 year, the healthy weight for age line climbs up the graph very sharply and after 1 year, it is flatter and climbs more slowly. (5 marks)
 - b). What is the average weight of children at age 0? (5 marks)
 - c). How can we measure the nutrition of children? (5 marks)
 - d). What do several weighings and dots on the line tell us? (5 marks)

2. Discuss the factors contributing to food insecurity in marginal rainfall areas among the pastoralist communities of Kenya and the food deficiency coping strategies undertaken. (20 marks)

3. a). Discuss the methods used in nutritional assessment for determination of the nutritional status of community members. (10 marks)

- b). Discuss the blocks in the food path that causes malnutrition in a community. (10 marks)

GRAPH 1

