



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
IN COMMUNITY HEALTH AND DEVELOPMENT
3RD YEAR 1ST SEMESTER 2023/2024 ACADEMIC YEAR
KISUMU

COURSE CODE: HCB 2305
COURSE TITLE: COMMUNITY HEALTH AND NUTRITION
EXAM VENUE: STREAM: (BSc Comm Hlth & Dev)
DATE: EXAM SESSION:
TIME: 2.00 HOURS

Instructions:

- 1. Answer questions ONE 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.**

QUESTION ONE (30 Marks)

- (a) Define the following terms as used in Community Health and Nutrition:
- (i) Balanced Diet (1 Mark)
 - (ii) Amino acids (1 Mark)
 - (iii) Calorie (1 Mark)
- (b) Mention THREE signs or symptoms of kwashiorkor (3 Marks)
- (c) Identify THREE factors responsible for zinc deficiency in pregnant mothers (3 Marks)
- (d) Indicate THREE characteristic features of seasonal food insecurity (3 Marks)
- (e) Name THREE measurements of food security in a community (3 Marks)
- (f) Give THREE benefits of exercise in weight management (3 Marks)
- (g) State THREE functions of fats in human body (3 Marks)
- (h) List THREE nutritional specific intervention for management of malnutrition among pregnant women (3 Marks)
- (i) Outline THREE methods that can be used in community nutrition assessment (3 Marks)
- (j) Name THREE factors responsible for vitamin D deficiency (3 Marks)

QUESTION TWO (20 marks)

- (a) Describe FIVE complications related to vitamin A deficiency in children (10 Marks)
- (b) Discuss FIVE community health and nutrition specific interventions used to treat or manage Vitamin A deficiency in children under five years (10 Marks)

QUESTION THREE (20 Marks)

- (a) Explain FIVE reasons for community nutrition assessment in informal settlement in Kenya (10 Marks)
- (b) Famine has been declared a disaster in arid counties in Kenya, propose FIVE possible interventions the government should implement to prevent malnutrition in these counties (10 Marks)

QUESTION FOUR (20 Marks)

(a) Explain FIVE factors that influence the relationship between nutrition and infection

(10 Marks)

(b) Describe FIVE situations under which HIV may affect the nutritional status of an infected client

(10 Marks)