



MACHAKOS UNIVERSITY

University Examinations 2017/2018

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

SECOND YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN POPULATION HEALTH

PPH 214: FOOD SECURITY AND HEALTH

DATE: 6/12/2017

TIME: 8:30 – 10:30 AM

INSTRUCTIONS

The paper consists of **two** sections A and B

Section A is **compulsory**

Section B choose any **two** (2) questions

SECTION A (30 MARKS): COMPULSORY

QUESTION ONE (30 MARKS)

- a) Explain the four main dimensions of food security (4 marks)
- b) Outline food insecurity based on duration (3 marks)
- c) Explain two ways in which the intensity of food insecurity can be measured (2 marks)
- d) Define: (2 marks)
 - i. Household food security
 - ii. Baseline vulnerability
- e) Briefly explain the pillars of food sovereignty (4 marks)
- f) State four socioeconomic indicators of food security (2 marks)
- g) Explain the elements of food security assessment (3 marks)
- h) Briefly describe the immediate causes of hunger in Kenya (3 marks)
- i) Explain three cultural practices in your community that influence food choices (3 marks)
- j) Explain four actions that could be taken to improve food security (4 marks)

SECTION B: CHOOSE ANY TWO (2) QUESTIONS. EACH QUESTION IS 20 MARKS

QUESTION TWO (20 MARKS)

- a) Family A is food secure but nutritionally insecure. Discuss. (10 marks)
- b) Food aid has been severally provided in Northern Kenya following long droughts in the past decade. Discuss food security policy issues that the government may need to address and channel resources to their implementation. (10 marks)

QUESTION THREE (20 MARKS)

Your county has had transient food insecurity in the recent past and you have been consulted to aid in resolving this problem.

- a) Explain the approach you would recommend on implementation of the right to food. (10 marks)
- b) Using proxy indicators, describe a food secure household that will serve as a measure of resolution of the problem. (10 marks)

QUESTION FOUR (20 MARKS)

- a) In your county, the residents prefer eating maize and beans mixture to the extent that with crop failure, the residents would rather sell animal produce to purchase their preferred food. Discuss this behavior and its impact on the residents' nutritional status. (10 marks)
- b) Country X is food secure while household H in that country is food insecure. Discuss (10 marks)

QUESTION FIVE (20 MARKS)

- a) Gender roles in food security cannot be underestimated. How a family feeds and what the family feeds on is majorly a woman's role in our society. Discuss the role of women in achieving national food security. (10 marks)
- b) Discuss ways in which food insecurity impacts the health of a population and how people's health affects food security. (10 marks)