

KENYA POLYTECHNIC UNIVERSITY COLLEGE

SCHOOL OF HEALTH SCIENCES AND TECHNOLOGY

DEPARTMENT OF COMMUNITY AND PUBLIC HEALTH

DIPLOMA IN COMMUNITY AND PUBLIC HEALTH

END OF STAGE 2 EXAMINATIONS

NOVEMBER 2011

NUTRITIONAL EPIDEMIOLOGY

TIME 2 HOURS

Instructions to candidates

This paper consists of two sections A and B

Section A is compulsory – Answer **ALL** questions in this section

Answer any **THREE** questions from section B

This paper consists of 2 printed pages

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Section A – Compulsory

Answer ALL questions in this section

1. Explain the following terms:
 - a) Nutritional Epidemiology
 - b) Exposure
 - c) Outcome
 - d) Bias
 - e) Quality of life. (10 Marks)
2. State the aim of screening in nutritional epidemiology and explain any THREE types of screening used. (10 Marks)
3. a) Write down the goals of Nutritional Epidemiology. (3 Marks)
b) Write down TWO advantages and Two disadvantages of Nutritional epidemiology (4 Marks)
c) Explain any limitation of research in nutritional epidemiology. (3 Marks)
4. Discuss nutritional surveillance under the following headings:
 - a) Definition (2 Marks)
 - b) Sources of data used in performing nutritional assessment (8 Marks)

Section B – Answer any THREE questions in this section

5. Discuss the measurement of nutritional health outcomes under the following headings:
 - a) Biomarkers
 - b) Anthropometry (20 Marks)
6. Explain why it is relatively difficult to study nutrition related diseases. (20 Marks)
7. Nutritional exposures fall under a number of headings according to the influences on health outcomes being investigated. Explain any FOUR of these exposures. (20 Marks)
8. Discuss the guidelines for adolescent nutrition services under the following headings:
 - a) Eating behaviours
 - b) Food choices
 - c) Physical activity
 - d) Food sources (20 Marks)