



MACHAKOS UNIVERSITY

University Examinations 2019/2020 Academic year

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN PUBLIC HEALTH.

HPH 104: FUNDAMENTALS OF PUBLIC HEALTH

DATE: 9/12/2019

TIME: 8.30-10.30 AM

INSTRUCTIONS

This paper consists of two sections A and B

Section A is compulsory

Section B choose any two (2) questions

SECTION A: COMPULSORY

QUESTION ONE (30 MARKS)

- a) Define the following terminologies (3 marks)
 - i. Health
 - ii. Public health
 - iii. Epidemiology
- b) State the various types of environments (3 marks)
- c) Outline the conceptual evolution of public health (3 marks)
- d) Explain the contribution of John Snow to the history of public health (3 marks)
- e) Outline the objectives of community health (3 marks)
- f) Briefly explain the principles of medical ethics (3 marks)
- g) Explain why communicable diseases are important in Africa (3 marks)
- h) Differentiate between public health approaches and clinical medicine when dealing with health issues (3 marks)
- i) Briefly explain ways of controlling vectors and pests in a community (3 marks)
- j) Outline the advantages of a pit latrine (3 marks)

SECTION B:

Specific Instructions

- **This section has four (4) question**
- **Answer any two (2) questions**
- **Each question is 20 Marks**

QUESTION TWO (20 MARKS)

- a) Discuss the uses of epidemiology as applied in public health (10 marks)
- b) Most of the preventable communicable diseases are spread through inhalation especially in congested houses. You have been appointed to assess a completed house for occupation. Explain the criteria for an adequate house (10 marks)

QUESTION THREE (20 MARKS)

- a) With relevant examples, discuss the main determinants of health in Kenya (10 marks)
- b) Public health deals with the health of the population and the communities, in view of this, discuss the characteristic of a health community (10 marks)

QUESTION FOUR (20 MARKS)

- a) Giving examples, describe the mandate and the duties of public health professionals (10 marks)
- b) “Water is life”. Describe the physical characteristics of water (10 marks)

QUESTION FIVE (20 MARKS)

- a) Discuss the components of community health strategy (10 marks)
- b) You notice that there is need for promoting the use of condoms among the youths of Gatwikira village. Describe the process of health promotion (10 marks)