



**JARAMOGI OGINGA ODINGA UNIVERSITY OF
SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR DEGREE IN PUBLIC HEALTH/
COMMUNITY HEALTH AND DEVELOPMENT**

1ST YEAR 1ST SEMESTER 2013/2014 ACADEMIC YEAR

CENTER: MAIN CAMPUS

COURSE CODE:	HPD 3113
COURSE TITLE:	PRINCIPLES OF PUBLIC HEALTH
EXAM VENUE:	STREAM: BSc. Public Health/Community Health & Devt.
DATE: 04/12/2013	EXAM SESSION: 9.00-11.00 AM

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Instructions:

- 1. Answer ALL questions in Section A and ANY other 2 questions in Section B.**
- 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.**

SECTION I: SHORT ANSWER QUESTIONS (30 Marks)

1. Outline the purpose of public health (2 marks)
2. List 3 diseases that are considered to be a threat to the general population in Kenya (3 marks)
3. Explain 2 main functions of the government as an actor in health care provision in Kenya (2 marks)
4. Explain 3 characteristics of public health interventions (3 marks)
5. Using examples differentiate the following principles of disease prevention:
 - a) Primary prevention (2 marks)
 - b) Secondary prevention (2 marks)
 - c) Tertiary prevention (2 marks)
6. A baseline study conducted in Bondo district on 1st December 2012 indicates that 5, 000 out of 100,000 female residents have high blood pressure. Define the following terms:
 - a) Incidence rate (1 mark)
 - b) Prevalence (1 mark)
 - c) Calculate the prevalence rate of high blood pressure among the female residents in this district (2 marks)
7. List 2 roles of Community Health Workers in the implementation of health care programmes that target the elderly (2 marks)
8. Outline the immunization schedule for children under one year as per Kenya Expanded Programme for Immunization (5 marks)
9. Using 2 examples of community practices, explain how culture impacts on health (3 marks)

SECTION II: ESSAY QUESTION (40 Marks)

1. a) Define Primary Health Care (2 marks)
b) Explain 4 components of the 1978 Alma Ata declaration (8 marks)
b) Discuss strategies that a health worker would use in the implementation of Primary Health Care interventions (10 marks)

2. The health service delivery approach in Kenya targets to provide care to cohorts guided by the age of the client.
 - a) Discuss the organization of health care system in Kenya (5 marks)
 - b) Outline the 5 life cohorts in the Kenya Essential Package for Health (5 marks)
 - c) Discuss the services that a pregnant woman at 24 weeks would receive under Kenya Essential package for Health – (KEPH). (10 marks)

3. Mary is the health worker in-charge of the implementation of school health programmes in Kwale. Discuss 8 principles of public health that Mary would use to ensure effective implementation of the programme (20 marks)

4. Community participation in health care interventions is one of the principles guiding successful implementation of these programmes.
 - a) Define community participation (2 marks)
 - b) List 5 factors that promote community participation in health care programmes (5 marks)
 - c) List 5 factors that hinder community participation in health care programmes (5 marks)
 - d) Describe how the community is linked to the national level in health care delivery (8 marks)