



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

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
PUBLIC HEALTH/ COMMUNITY HEALTH AND DEVELOPMENT**

1st YEAR 1st SEMESTER 2016/2017 ACADEMIC YEAR

KISII CAMPUS

COURSE CODE: HCD 3113

COURSE TITLE: PRINCIPLES OF PUBLIC HEALTH

EXAM VENUE: STREAM: (BSc. P. Health / Comm Hlth & Dev)

DATE: EXAM SESSION:

TIME: 2.00 HOURS

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 A (30 MARKS)

1. State **three** principles in vector control. (3 marks)
2. Explain the role of Health promotion in community health. (2 marks)
3. Discuss **three** reasons why public health officers need information about population and fertility. (3 marks)
4. Explain **three** uses of prevalence in public health practice. (3 marks)
5. Explain **three** modes of horizontal communicable disease transmission. (3 marks)
6. Discuss **three** methods of domestic waste disposal. (3 marks)
7. Explain **three** classes of parameters used in the testing of water supplies (3 marks)
8. State **four** factors that influence the health seeking behavior of a community. (4 marks)
9. State **three** ways in which lifestyle may influence the health of a community. (3 marks)
10. Explain **three** functions of disease surveillance in public health. (3 marks)

SECTION B (40 MARKS)

1. (a) By using appropriate examples discuss the levels of prevention in public health. (10 marks)
(b) Discuss the phases in the evolution of modern public health. (10 marks)
2. (a) Explain five reasons why community participation is necessary in the promotion of sexual and reproductive health among the youths. (10 marks)
(b) Describe how you would apply the epidemiologic triad in the control of a communicable disease such as typhoid. (10 marks)
3. (a) Discuss five principles in human excreta disposal. (10 marks)
(b) Describe the stages in the treatment of water for domestic supply. (10 marks)
4. (a) Discuss five poverty related health problems associated with developing countries. (10 marks)
(b) Discuss using appropriate examples the main methods in communicable disease control. (10 marks)