



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

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

1ST YEAR 1ST SEMESTER 2019 ACADEMIC YEAR

KISII CAMPUS

COURSE CODE: HPD 3113

COURSE TITLE: FUNDAMENTALS OF PUBLIC HEALTH

EXAM VENUE:

STREAMS: (Bsc.. Comm Health &Dev)

DATE: APRIL, 2019

EXAM SESSION:

TIME: 2 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-Answer all questions (30marks)

1. Distinguish between (2 marks)
 - a. Prevalence and Incidence
 - b. Risk and Rate
2. Distinguish between epidemic, endemic and pandemic (3 marks)
3. Briefly describe the key functions of Public Health (4 marks)
4. a. Briefly discuss the three types of refuse (3 marks)
 - b. Explain three ways in which refuse can be deposited (3 marks)
5. Discuss the three diseases affected by water (3 marks)
6. Explain with examples the different types of immunization (4 marks)
7. Explain the principles of vector control in control of vector borne diseases (4 marks)
8. Briefly describe the epidemiologic triangle model (4 marks)
9. Distinguish between elimination and eradication (2 marks)

SECTION B: Answer any TWO questions (40 marks)

1. Discuss the principles of Primary healthcare (20 marks)
2. a) Briefly describe the difference between communicable and non-communicable disease and give examples of each (5 marks)
 - b) Using the chain of infection and malaria as an example, explain how communicable diseases are transmitted in a community. (10 marks)
 - c) List and briefly discuss measures for preventing and controlling spread of communicable diseases in a community
3. Define prevention and discuss the three levels of prevention, giving examples of each (18marks)
- 4 a) Define Health promotion (2 marks)
 - b) List and discuss the elements of health promotion (18 marks)