



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF HEALTH SCIENCES  
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE  
IN PUBLIC HEALTH/ COMMUNITY HEALTH AND DEVELOPMENT**

**SPECIAL EXAMINATIONS NOV. 2020**

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**COURSE CODE: HPD 3113**

**COURSE TITLE: Principles of Public Health**

**EXAM VENUE:**

**STREAM: Bachelors**

**DATE:**

**EXAM SESSION:**

**TIME: 2 Hrs**

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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 A (30 marks)**

Answer all questions

1. Define the following terms (7 marks)

- a) Incidence
- b) Public Health
- c) Epidemic
- d) Risk Factor
- e) Morbidity
- f) Screening
- g) Epidemiology

2. List 6 criteria for a screening test (6 marks)

3. List any three measures of association in epidemiology (3 marks)

4. Describe three prerequisites of risk factors of disease (6 marks)

5. List any four essential public health services (4 marks)

6. List any four core functions of public health (4 marks)

**SECTION B (40 Marks)**

Answer any Two Questions

LEQ1

- a) Discuss any 5 hills criteria of disease causation (10 marks)
- b) Discuss the Ecological model of Health Promotion (10 marks)

LEQ 2

- a) Describe the five stages of behavior change (10 Marks)
- b) Discuss the health belief model (10 Marks)

LEQ 3

- a) Describe the four levels of disease prevention (10 marks)

b) Discuss five approaches of dealing with confounding(10 marks)