



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

**DECEMBER, 2018 UNIVERSITY EXAMINATION FOR CERTIFICATE IN  
COMMUNITY HEALTH AND DEVELOPMENT**

**FIRST YEAR, SECOND SEMESTER 2018/2019 ACADEMIC YEAR**

**NAMBALE CAMPUS**

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**COURSE CODE: HCD 1125**

**COURSE TITLE: EPIDEMIOLOGY AND PREVENTION OF COMMON DISEASES**

**EXAM VENUE: NAMBALE                      STREAM: (Cert.Comm Hlth & Dev/Public Health)**

**DATE;    EXAM SESSION:**

**TIME: 1 ½ HOURS**

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**Instructions:**

- 1. Answer all questions in section A, and any other 2 questions in section B**
- 2. Candidates must hand in their answer booklets to the invigilator while in the**

**examination room.**

**SECTION A; (30mks)**

1. Define the following terms

a) Epidemiology

b) Disease screening (4mks)

2. List three elements of primary health care. (3mks)

3. State three uses of epidemiology. (3mks)

4. Describe the '*Concept of Epidemiologic triad*'. (5mks)

5. Differentiate between the following approaches in prevention and control of communicable diseases

a) Isolation and quarantine

b) Control and eradication (6mks)

6. What is immunization? Outline four examples of immunizable diseases. (3mks)

7. Briefly write a statement on the three sources of epidemiologic data. (3mks)

8. State three risk factors for non-communicable diseases. (3mks)

**SECTION B; Essays (30mks)**

1. Discuss the natural history of a disease with examples.(15mks)

2. Write short notes on descriptive epidemiological studies. (15mks).
3. a) Define disease prevention (3mks)  
b) Explain the following levels of disease prevention and with elaborate examples with possible interventions that can be applied.
  - i) Primary prevention
  - ii) Secondary prevention
  - iii) Tertiary prevention (12mks)
4. Discuss extensively any three pillars of primary health care. (15mks)