



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR THE CERTIFICATE IN COMMUNITY HEALTH
AND DEVELOPMENT**

**1ST YEAR 1st ACADEMIC YEAR 2024
KISUMU CAMPUS**

COURSE CODE: HCD 1125

COURSE TITLE: EPIDEMIOLOGY AND PREVENTION OF COMMON DISEASES

EXAM VENUE: STREAM

DATE: 15/1/25 EXAM SESSION: 9-11.00 AM

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 (30 Marks)

1. Define the following terms: (6 Marks)
 - (i) Agent
 - (ii) Environment
 - (iii) Epidemiology
 - (iv) Host
 - (v) Epidemic
 - (vi) Endemic
2. Briefly Explain the difference between Descriptive Epidemiology and Analytical Epidemiology (4 marks)
3. List 5 components of the chain of disease transmission (5 Marks)
4. Highlight purpose of epidemiology in our life today (5 Marks)
5. Give 4 common disease stages (4 Marks)
6. State the usefulness of epidemiology (6 Marks)

SECTION B ANSWER ANY TWO QUESTIONS (30 MARKS)

1. Using examples, explain three levels of prevention of diseases in a population (20 Marks)
2. Giving examples, explain the epidemiological triad of infectious diseases (20 Marks)
3. Discuss the systematic steps involved in outbreak investigations (20 Marks)
4. Infectious communicable diseases can be transmitted through direct and indirect transmission. Discuss modes of transmission (20 Marks)