



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR CERTIFICATE IN COMMUNITY HEALTH AND
DEVELOPMENT
2ND YEAR 2ND SEMESTER 2018/2019 ACADEMIC YEAR
KISUMU LEARNING CENTRE

COURSE CODE: HCD 1125

COURSE TITLE: EPIDEMIOLOGY AND PREVENTION OF COMMON DISEASES

EXAM VENUE: KISUMU LEARNING CENTRE

DATE: EXAMINATION SESSION: 9-11 AM

TIME: 2 HOURS

Instructions:

- 1. Answer all the 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) Etiology
 - (ii) Disease
 - (iii) Epidemiology
 - (iv) Herd Immunity
 - (v) Epidemic
 - (vi) Endemic

2. Differentiate between vertical and horizontal transmission of infectious communicable diseases. (4 marks)

3. List 5 categories of disease carriers (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. Infectious communicable diseases can be transmitted through direct and indirect transmission. Discuss modes of transmission
2. Using examples, explain three levels of prevention of diseases in a population
3. Giving examples, explain the epidemiological triad of infectious diseases
4. Discuss the systematic steps involved in outbreak investigations