



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE PUBLIC
HEALTH / COMMUNITY HEALTH AND DEVELOPMENT
2ND YEAR 2ND SEMESTER 2023/2024 ACADEMIC YEAR
MAIN CAMPUS

COURSE CODE: HCB 1208

COURSE TITLE: PRINCIPLES OF EPIDEMIOLOGY

EXAM VENUE: STREAM: (BSc. Env. Hlth/ Comm Hlth & Dev)

DATE: EXAM SESSION:

TIME: 2.00 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

1. Define the term epidemiology (1 mark)
2. Explain the difference between primary data and secondary data. Give examples (5 marks)
3. Explain THREE components of the epidemiologic triad (4 marks)
4. Explain THREE components of the epidemiologic triad (5 marks)
5. State FIVE key uses of descriptive epidemiology (5 marks)
6. State the key features of analytic epidemiology (5 marks)
7. Explain the difference between qualitative data and quantitative data (5 marks)

SECTION B

1. Describe the different modes of transmission of communicable disease in a population (20 marks)
2. Explain the core functions of epidemiology (20 marks)
3. Explain the determinants of epidemiology (20 marks)
4. Describe primary applications of epidemiology in public health practice (20 marks)