



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR THE TVET DIPLOMA IN COMMUNITY
HEALTH AND DEVELOPMENT**

1ST YEAR 2ND SEMESTER 2023/2024 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE: HDC 2123

COURSE TITLE: EPIDEMIOLOGY AND COMMUNITY HEALTH WORKS

EXAM VENUE: STREAM (TVET DIP CHD)

DATE: EXAM SESSION:

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 30MKS (Answer ALL the Questions)

1. Define the following terms:
 - a) Disease Surveillance (2 marks)
 - b) Epidemiology (2mks)
 - c) Epidemic (2mks)
2. Differentiate between incidence and prevalence as a measure of disease frequency (3mks)
3. Explain briefly how cases are defined in an Epidemic outbreak (3mks)
4. State THREE purpose of disease surveillance (3mks)
5. List three epidemiological study design as used in Epidemiology (3mks)
6. Mention how the information regarding disease outbreak get into contact with health agencies (3mks)
7. State any THREE ways of preparing and disseminating disease surveillance report (3mks)
8. Draw a well labeled diagram of an epidemiological triad and explain circumstances under which disease outbreak occurs (6mks)
9. Explain any THREE types of disease surveillance in epidemiological study (3mks)

SECTION B 40 MARKS: ANSWER ANY TWO QUESTIONS

1. Discuss steps involved in outbreak investigation (20mks)
2. Discuss in details level of disease prevention with emphasis on the importance role played by each level (20mks)
3. Discuss in details the principles of Epidemiology (20mks)
4. Discuss in details the characteristics of a good disease surveillance systems (20mks)