

102106T4COH

COMMUNITY HEALTH LEVEL 6

HE/OS/CH/CC/03/6/A

Apply Epidemiology in Community Health

Nov/Dec 2023



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

WRITTEN ASSESSMENT

Time: 3 HOURS

INSTRUCTION TO CANDIDATE

1. This paper has two sections **A** and **B**
2. You are provided with a separate answer booklet
3. Marks for each question are as indicated
4. Do not write on the question paper.

This paper consists of four (4) printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated.

SECTION A: (40 MARKS)

Answer all the questions in this section

1. Differentiate between epidemic and endemic. **(4 Marks)**
2. Kenya Medical Research Institute (KEMRI) would like to conduct population screening in your community. State FOUR factors that KEMRI would consider when planning for population screening activities. **(4 Marks)**
3. Notifiable diseases are of public health concern. Identify FOUR Notifiable diseases in Kenya. **(4 Marks)**
4. Population screening refers to the systematic examinations of a large groups. Highlight THREE benefits of population screening. **(3 Marks)**
5. Sampling involves the selection of several study units from a defined study population. Outline FOUR non-probability sampling methods used in epidemiological research. **(4 Marks)**
6. Health needs report can be disseminated by community health workers in several ways. Identify THREE venues in which, community health workers will use to disseminate the reports to the community members. **(3 Marks)**
7. Hypotheses serve as the foundation for designing experiments, studies and investigations. State FOUR characteristics of hypothesis in epidemiological research. **(4 Marks)**
8. Outline FOUR ways of obtaining data from the community during population screening. **(4 Marks)**
9. Data quality can be compromised by errors during data collection process. Highlight THREE ways epidemiologists use to minimizing these errors. **(3 Marks)**
10. Infectious diseases are a major public health burden in developing countries. Identify FOUR biological agents that causes infectious diseases in the population. **(4 Marks)**
11. Outline THREE roles of community health officers in integrated disease surveillance and response. **(3 Marks)**