

102105T4COH

COMMUNITY HEALTH LEVEL 5

HE/OS/CH/CC/02/5/A

Apply Epidemiology in Community Health Works

March/April 2025



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

WRITTEN ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE

1. This paper consists of **TWO** sections: **A** and **B**.
2. Answer **ALL** questions in section A and **ANY THREE** (3) questions in section B.
3. Marks for each question are indicated in the brackets.
4. Candidates are provided with a separate answer booklet
5. Do not write on the question paper.

**This paper consists of THREE (3) printed pages
Candidates should check the question paper to ascertain that all
pages are printed as indicated and that no questions are missing.**

SECTION A (40 MARKS)

Answer ALL the questions in this section.

1. Surveillance is an important process in the community. Mention FOUR steps you can undertake when planning for surveillance. [4 Marks]
2. The community needs to get feedback on the outcome on surveillance. Identify THREE platforms you can use share feedback reports. [3 Marks]
3. Highlight THREE features a community health assistant can consider when preparing a report. [3 Marks]
4. Cancer screening should be conducted at the community. State THREE reasons why you should advocate for regular cancer screening. [3 Marks]
5. You established a high prevalence of communicable diseases in your community after a needs assessment. Recommend FOUR measures you can undertake to reduce the disease burden. [4 Marks]
6. Suggest FOUR factors you can consider when planning for a community screening during World Acute Immunodeficiency Syndrome Day. [4 Marks]
7. The Ministry of Health is working to ensure a disease-free nation. Identify TWO diseases that are targeted for eradication in Kenya. [3 Marks]
8. Capacity building is a continuous process. State FOUR reasons why community health assistants should be trained in epidemiology. [4 Marks]
9. Highlight FOUR modifiable risk factors that can expose individuals to hypertension. [4 Marks]
10. You have been given health data of community Y. State FOUR ways you can use the data. [4 Marks]
11. Mention FOUR indicators of health that can be used to analyze the health status of a population. [4 Marks]

SECTION B (60 MARKS)

Answer Any THREE Questions in This Section

12. Two cases of cholera were reported in community Y, where you are the community health assistant.
- a) Explain FOUR modes of cholera transmission. [8 Marks]
 - b) Recommend SIX methods you can use to prevent the spread of the disease. [12 Marks]
13. The Department of disease surveillance is planning to conduct a disease investigation of a case reported in village X and you are to lead the process.
- a) Describe TWO benefits of disease surveillance. [4 Marks]
 - b) Elaborate EIGHT steps that you can undertake in the disease outbreak investigation. [16 Marks]
14. Epidemics occur when host, agent and environmental factors are not in balance.
- a) Explain SIX environmental factors that can affect transmission of infectious agents. [12 Marks]
 - b) Describe FOUR benefits of the epidemiological triad. [8 Marks]
15. Health status of a community is determined by several determinants of health.
- a) Describe FIVE non-modifiable risk factors of diseases. [10 Marks]
 - b) Assess FIVE challenges affecting health care delivery in Kenya. [10 Marks]