

102106T4COH

COMMUNITY HEALTH LEVEL 6

HE/OS/CH/CR/02/6/A

Conduct Community Health Research

March/April 2025



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

WRITTEN ASSESSMENT

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 FOUR (4) 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. A health research problem is a situation about the area of concern, a condition to be improved, a difficulty to be eliminated or a troubling question that exists in schooling literature. Identify FOUR sources of health research problem. [4 Marks]
2. Ethical principles guide the planning and conducting of research so that people carry out research in a responsible manner. Highlight FOUR ethical principles applied in health research. [4 Marks]
3. Research objectives are specific measurable activities that the researcher aims to carry out in order to answer questions addressed by the study. Recommend FOUR guidelines that should be followed when developing research objectives. [4 Marks]
4. Carrying out research on a whole population has many challenges, therefore a sample is selected from the population. State FOUR reasons for sampling in research. [4 Marks]
5. Research instruments are tools used by researchers to collect data. State FOUR research instruments used in health research. [4 Marks]
6. Data analysis is the summarizing and organizing of the collected data in a manner that they answer the research questions. Highlight FOUR methods used in analyzing qualitative data. [4 Marks]
7. Research instruments are usually tested for validity and reliability before they can be used to collect data. Outline THREE types of validity tests done on research instruments. [3 Marks]
8. In documenting the findings of research, you can use written, audio or visual documentation. State THREE forms of visual documentation of findings in research. [3 Marks]
9. Every research must be followed by a research report that must be compiled in accordance with research protocols. Identify FOUR benefits of research reports. [4 Marks]
10. Dissemination refers to the release of research findings to interested audience. Enumerate the THREE goals for disseminating research findings. [3 Marks]
11. Orderly collection of data is essential in meeting the objective of research. Identify THREE steps of data collection. [3 Marks]

SECTION B (60 MARKS)***Answer Any THREE Questions in This Section***

12. As the Community Health Assistant in Sub-County X, your team carried out health awareness campaigns on the importance of breast feeding to improve the low levels of breastfeeding among young mothers. You decided to conduct a cohort study to determine the uptake of breastfeeding and its effect on the weight of babies for a period of six months. In the study, you collected the data from the records obtained when the babies were brought for the routine clinic visits, and you did not find it necessary to inform the mothers about your research. You shared the findings of your research during the community dialogue day, reading out the name of each baby and their mother; and you publicly congratulated mothers whose babies had good weight progress.

a) Create a suitable topic for this study [3 Marks]

b) Generate a purpose for this research [3 Marks]

c) Explain TWO strata that you will use to differentiate the two groups of babies. [2 Marks]

d) Develop TWO research questions that will help you to focus your research. [4 Marks]

e) Generate TWO objectives that are suitable for this study. [4 Marks]

f) Analyze TWO ethical principles that have been violated in this study. [4 Marks]

13. Village Y community is divided into two categories based on their preferred source of drinking water. Some draw the water from the local river while others draw their water from the protected springs in the community. You have noted increased incidences of diarrheal disease and the village elder is blaming the protected spring water since it is treated with chlorine, and this is against the cultural belief of the community. As the Community Health Assistant, you have decided to collect data to help you clarify which of the two sources of water was associated with the diarrheal cases. You informed the community members about your plan, and they have agreed to participate so long as you share the results with them. The village has a high population of 11000 members and engaging all of them in the data collection is difficult.

a) Explain FIVE steps that you will follow to conduct an empirical framework for this research. [10 Marks]

b) Analyze THREE types of probability sampling techniques that you can apply when selecting the study sample. [6 Marks]

- c) Propose TWO guidelines that you will follow when formulating the questionnaires to use in the study. [4 Marks]
14. The Sub-County Health Officer has selected you to review the chapter on methodology in his draft research report. You note that the data analysis, reliability of research instruments and data presentation sections need improvement.
- a) Elaborate FIVE descriptive statistics you will advise the officer to apply in analyzing quantitative data. [10 Marks]
- b) Recommend TWO ways that the officer can use to assess the reliability of the research instruments he applied in data collection. [4 Marks]
- c) Describe THREE pictorial methods that can be used to present the research findings. [6 Marks]
15. You are tasked with training newly appointed community health assistants on how to write a research report.
- a) Expound on FIVE components of a research report. [10 Marks]
- b) Critique THREE characteristics of a good message when disseminating a research report. [6 Marks]
- c) Describe TWO types of research reports. [4 Marks]