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COMMUNITY HEALTH LEVEL 6

HE/OS/CH/CR/02/6

Conduct Community Health Research

July/August 2025

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

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WRITTEN ASSESSMENT

Time: 3 HOURS

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INSTRUCTIONS TO CANDIDATE

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1. This paper consists of **TWO** sections: **A** and **B**.

2. Attempt **ALL** questions in section **A**.

3. Attempt **any THREE** questions in section **B**.

4. Marks for each question are indicated in the brackets.

5. Candidates are provided with a separate answer booklet

6. Do not write on the question paper.

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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)

Attempt ALL the questions in this section.

1. Research involves a process of arriving at effective solutions to problems through systematic collection, analysis and interpretation of data. Identify THREE characteristics of research. [3 Marks]
2. A health research problem may come from a variety of sources. Highlight THREE sources of research problems. [3 Marks]
3. Community Health Research plays a crucial role in society. State FOUR roles of research in society. [4 Marks]
4. Objectives guide the researcher in formulating testable hypotheses. Highlight FOUR benefits of research objectives. [4 Marks]
5. Hypothesis provides an anticipated explanation regarding the result of the study. Differentiate between Null and Alternate Hypothesis [2 Marks]
6. The target population is the population to which a researcher wants to generalize the results of the study. Identify THREE characteristics of a target population. [3 Marks]
7. Sampling techniques involves the procedure the researcher adopts in selecting items. Highlight FOUR reasons for sampling. [4 Marks]
8. Data collection is the process of collecting and evaluating information from multiple sources to answer questions and evaluate outcomes. State THREE research instruments that can be used in data collection. [3 Marks]
9. Data collected must be analyzed, interpreted and presented appropriately. Identify FOUR quantitative data analysis methods. [4 Marks]
10. Reliability is the extent to which an experiment, test or any measuring procedure yields the same results on repeated trials. State THREE ways of assessing reliability [3 Marks]
11. Research reports should be clearly organized, physically inviting and easy to read. State FOUR purposes of research reports. [4 Marks]
12. Stakeholder analysis is crucial in understanding their interest in the project and its importance. Highlight THREE benefits of involving stakeholders in community health research. [3 Marks]

SECTION B (60 MARKS)

Attempt Any THREE(3) Questions in This Section

13. Dissemination of research findings aims to spread knowledge and the associated evidence-based interventions on a wide scale within or across geographic locations, practice settings and other networks of the end users.

- a) Define dissemination [2 Marks]
- b) Explain THREE goals of dissemination. [6 Marks]
- c) Describe SIX elements of a dissemination plan. [12 Marks]

14. You have been asked by your peer to help him review the data analysis chapter in his research report.

- a) Elaborate on FIVE descriptive statistics you will advise him to apply in analyzing quantitative data. [10 Marks]
- b) Recommend TWO threats to internal validity on instruments applied in data collection. [4 Marks]
- c) Describe THREE methods that can be used to present the research findings. [6 Marks]

15. The sub-county coordinator has tasked you with training newly appointed community health assistants on how to develop a research report.

- a) Expound on FIVE components of a research report. [10 Marks]
- b) Critique FIVE characteristics of a good research report. [10 Marks]

16. Variables of the study are derived from the research objectives, and they measure characteristics that assume different values among the subjects.

- a) Explain FIVE types of variables. [10 Marks]
- b) Describe FIVE characteristics of research objectives. [10 Marks]