



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
DIPLOMA IN COMMUNITY HEALTH
END OF SEMESTER EXAMINATION AUGUST 2026

UNIT CODE: DCHP 218 **UNIT NAME Research Methods**

DATE: 12TH August, 2026

TIME: Two Hours

Start: 9AM

Finish 11AM

INSTRUCTIONS

1. This exam is marked out of 60 marks
2. This Examination comprises TWO Sections
 Section A: Compulsory Question (20 marks)
 Section B: Long Answer Questions (40 marks)

SECTION A: COMPULSORY (20 Marks)

Short Answer Questions

- a) Define the term research. (2 Marks)
- b) State two purposes of research in community health. (2 Marks)
- c) Distinguish between a research question and a research objective. (2 Marks)
- d) Outline two characteristics of a good research problem. (4 Marks)
- e) Define the term hypothesis. (2 Marks)
- f) Identify two types of research designs used in health research. (2 Marks)
- g) Outline two ethical considerations in research involving human participants. (2 Marks)
- h) State two data collection instruments commonly used in research. (2 Marks)
- i) Mention two components of a research proposal. (2 Marks)

SECTION B: ANSWER ANY TWO (2) QUESTIONS (40 Marks)

Long Answer Questions

Question Two (20 Marks)

A Community Health Promoter intends to investigate factors influencing the utilization of maternal health services among pregnant women in a sub-county.

- a) Formulate an appropriate research title for the study. (4 Marks)
- b) Develop:
 - i. One general objective. (3 Marks)
 - ii. Three specific objectives. (6 Marks)
- c) State and explain an appropriate research design that could be used for this study. (4 Marks)
- d) Describe three ethical considerations the researcher should observe during the study. (3 Marks)

Question Three (20 Marks)

A researcher plans to conduct a study on knowledge and practices of hand hygiene among food handlers in a local market.

- a) Explain the difference between probability and non-probability sampling methods. (6 Marks)
- b) Describe three sampling techniques that the researcher may use and explain how each technique would be applied in the study. (9 Marks)
- c) Explain five advantages of using questionnaires for data collection in this study. (5 Marks)

Question Four (20 Marks)

A community health student is preparing a research proposal on factors associated with low immunization coverage among children under five years.

- a) Explain the importance of conducting a literature review before carrying out the study. (6 Marks)
- b) Describe four major sections of the methodology chapter of the proposal. (8 Marks)
- c) Explain how the collected data can be presented and analyzed to answer the study objectives. (6 Marks)