



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**SCHOOL OF HEALTH OF SCIENCES**

**UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND  
DEVELOPMENT**

**YEAR 2 SEMESTER 2 ACADEMIC YEAR 2025/2024**

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**MAIN CAMPUS**

**COURSE CODE: HDC 2115**

**TIME: 2 HOURS**

**COURSE TITLE: COMMUNITY  
HEALTH RESEARCH II**

**EXAM VENUE:**

**EXAM SESSION: SEP-DEC 2024**

**DATE:**

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**Instructions**

- i. Answer ALL questions in **SECTION A** and any other **THREE** in **SECTION B**.
- ii. Candidates are advised not to write on the question paper.
- iii. Candidates must hand in their answer booklets to the investigator in the examination room.

## **SECTION A: (40 MARKS)**

***Answer All questions in this section***

1. Define the following terms
  - i. Research **(2 Marks)**
  - ii. Abstract **(2 Marks)**
2. Differentiate between general and specific objectives **(4 Marks)**
3. State **FOUR** sources of identifying a health research problem. **(4 Marks)**
4. Differentiate between research proposal and research report. **(4 Marks)**
5. Identify four common mistakes made by researchers when sampling populations for their studies **(4 Marks)**
6. Highlight **THREE** criteria to be used for selecting a research topic. **(3 Marks)**
7. Differentiate between validity and reliability in research. **(4 Marks)**
8. State **FIVE** characteristics of research objectives. **(5 Marks)**
9. State **FOUR** reasons why community health officer should constantly conduct research in their community health units. **(4 Marks)**
10. Highlight **FOUR** challenges experienced by researchers during data collection when they are in the field. **(4 Marks)**

## **SECTION B: (60 MARKS)**

***Answer THREE questions in this section***

11. According to the Community Health Volunteers (CHVs) reports, the Bar Kowino community has high rates of malaria infections among expectant women. You have been selected by Bondo Sub County Hospital to help train Community Health Assistants (CHAs) on how to research to ascertain these findings and give recommendations.
  - a) Derive a good research topic based on the Community Health Volunteers (CHVs) reports. **(2 Marks)**
  - b) Formulate **THREE** research questions in line with the CHV report. **(3 Marks)**
  - c) Formulate **THREE** objectives in line with research questions **(3 Marks)**
  - d) Discuss **SIX** components of the research proposal based on the research report from Ajigo village. **(12 Marks)**

12. Ajigo village in the Bondo sub-county has been identified to have high incidences of cholera outbreaks after a research study. As a community health officer working with a local government in the area, you have been tasked to analyze and present these research findings.
- a) Explain FIVE types of data analysis. **(10 Marks)**
  - b) Describe the FIVE benefits of data analysis. **(10 Marks)**
13. When community health researchers identify research problems, they need to consider various factors to ensure that their study is relevant, meaningful, and impactful.
- a) Explain five reasons why formulating a research proposal is important. **(10 Marks)**
  - b) Discuss FIVE factors to consider while choosing a research topic. **(10 Marks)**
14. Research studies should be judged ethically on two sets of criteria: ethical principles and ethical rules.
- a) Explain FOUR ethical rules a community health researcher should consider before formulating a research proposal. **(8 Marks)**
  - b) Discuss SIX ethical principles a community health researcher should consider before conducting community health research. **(12 Marks)**
15. A community health researcher is a professional who identifies community health problems and formulates and writes a research report to find solutions. Discuss components of a research **(20 Marks)**