



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF HEALTH SCIENCES**

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

**1<sup>ST</sup> YEAR 2<sup>ND</sup> SEMESTER 2023/2024 ACADEMIC YEAR**

**MAIN/ KISUMU CAMPUS**

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**COURSE CODE: HCD 1126**

**COURSE TITLE: INTRODUCTION TO RESEARCH METHODS**

**EXAM VENUE: STREAM: (Cert. Comm Hlth & Dev)**

**DATE: EXAM SESSION:**

**TIME: 1.5 HOURS**

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**Instructions:**

- 1. Answer all questions in section A and any other 2 questions in Section B.**
- 2. Candidates are advised not to write on the question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

**SECTION A Answer all questions in this section (30 marks)**

1. Differentiate between
  - a) Primary and secondary data (2 marks)
  - b) Independent and dependent variable (2 marks)
  - c) Basic research and applied research (2 marks)
2. Briefly describe why a researcher develops a research proposal (4 Marks)
3. Explain the meaning and significance of a research design. (4 marks)
4. State the importance of research ethics (3 marks)
5. Explain the features of a good research design (3 marks)
6. Outline THREE advantages of using a questionnaire in collecting data (3 marks)
7. Explain the quota sampling technique (3 marks)
8. Briefly explain FOUR qualities of a good research question (4 marks)

**SECTION B Answer any two Questions (30 Marks)**

1. Discuss the major components of a research proposal (15 Marks)
2.
  - a. Discuss the types of hypothesis and give examples of each (6 marks)
  - b. Discuss any THREE probability sampling techniques used in research (9 Marks)
3. Literature review is an important undertaking during research
  - i. Briefly explain the purpose of literature review in health research (10 Marks)
  - ii. When reviewing literature, briefly highlight the various considerations (5 Marks)
4. Describe in details how you would collect quantitative data and analyze it. (15 mks)