



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF HEALTH SCIENCES**  
**UNIVERSITY EXAMINATION FOR DEGREE OF MASTER**  
**3<sup>RD</sup> YEAR 1<sup>ST</sup> SEMESTER 2022/2023 ACADEMIC YEAR**  
**MAIN CAMPUS**

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**COURSE CODE:** HCB 2314/1301  
**COURSE TITLE:** RESEARCH METHODS  
**EXAM VENUE:** STREAM: (BSc. Env. Hlth/ C.Hlth &Dvpt.)  
**DATE:** EXAM SESSION:  
**TIME:** 2.00 HOURS

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**Instructions:**

- 1. Answer ALL Questions in Section A and Any TWO Questions from 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

1. Briefly describe any THREE main roles research serves in human health, citing examples  
(6 mks)
2. Name any FOUR major sources of literature in research, citing their key merit and demerit  
(8 mks)
3. Describe any THREE types of data as may be applicable in public health-related research  
(6 mks)
4. Mention any FOUR challenges one is likely to encounter while **collecting data** for health research  
(4 mks)
5. Highlight any THREE major methods used to collect data in health-related research.  
(6 mks)

### Section B: Answer question ONE (1) and any other question (40 marks)

1. Research is very demanding and sometimes very difficult to design and execute. Discuss any 5 considerations made while selecting a problem to conduct research on (20 mks)
2. Discuss any 5 qualities desired in a well-designed research proposal (20 mks)
3. Discuss the role of ethics in research, explaining how the principles are upheld. (20 mks)
4. In your local Community Unit, numerous teenagers have dropped out of school due to sexual and reproductive health-related issues. You are asked to provide necessary information for the county government to allow it mount an intervention. To do this, you need to conduct a small study. Formulate:
  - a. Title (2 mks)
  - b. Problem Statement (4 mks)
  - c. Main objective (1 mks)
  - d. 3 specific objectives (3 mks)
  - e. Null hypothesis (2 mks)
  - f. Justification of the study (4 mks)
  - g. Significance of the study (4 mks)