



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

**UNIVERSITY EXAMINATION FOR DEGREE OF MASTER PUBLIC HEALTH**

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

**KISUMU CAMPUS**

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| <b>COURSE CODE:</b>  | <b>HMP 5115</b>         |
| <b>COURSE TITLE:</b> | <b>Research Methods</b> |
| <b>EXAM VENUE:</b>   | <b>STREAM:</b>          |
| <b>DATE:</b>         | <b>EXAM SESSION:</b>    |
| <b>TIME:</b>         | <b>3.00 HOURS</b>       |

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**Instructions:**

1. Answer Question One (Compulsary) and any other THREE questions
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.

## QUESTIONS

1. Explain how you would determine a true association between predictors and the outcome variables.  
(15 marks)
2. Why is it important to consider the P values and confidence intervals during data analyses and interpretation of results.  
(15 marks)
3. Explain how you would test the validity and reliability of your data collection tool  
(15 marks)
4. What is an operational research and explain how its usefulness in implementation research.  
(15 marks)
5. Peer reviewed publication is very important for disseminating research findings to academic audience. Explain the structure of a hypothesis paper.  
(15 marks)
6. Discuss common mistakes during the preparation of data collection tools that complicate data analyses and interpretations.  
(15 marks)