



**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 2020/2021 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 3 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 what you would do to ensure real association between a predictor and an outcome in your study.  
(15 marks)
2. What would you consider while designing a tool for data collection for a descriptive study?  
(15 marks)
3. Assume you are a reviewer of a thesis, can you create a marking scheme for the following
  - a) A problem statement
  - b) A conceptual framework  
(15 marks)
4. What should you consider when determining sample size for an analytical study design?  
(15 marks)
5. Explain four types of probability sampling methods and their limitations in a study design.  
(15 marks)
6. Describe and discuss steps you will follow while writing an hypothesis based academic paper.  
(15 marks)