



WI-2-60-1-6

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

UNIVERSITY EXAMINATIONS 2023/2024

**FIRST YEARS SECOND SEMESTER EXAMINATION FOR THE DEGREE OF  
MASTER OF SCIENCE IN PUBLIC HEALTH, EPIDEMIOLOGY BIostatISTICS,  
GLOBAL HEALTH MEDICAL MICROBIOLOGY, AND MOLECULAR MEDICINE**

PEH 3100/TID 3100: RESEARCH METHODOLOGY

**DATE: AUGUST, 2024**

**TIME: 3 HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS**

1. Discuss five barriers to the implementation of research in the health work place. (25 marks)
2. How would you convince a fellow researcher to use a framework, whether theoretical or conceptual? (25 marks)
3. It has been realized that in the Kenyan society, men have a challenge in adopting a consistent health seeking behavior.
  - a. Outline five elements you would consider in drafting a statement of the problem if you were to propose to carry out a research project to tackle this phenomenon. (5 marks)
  - b. Explain a research design that would be suited to study the challenges men have in adopting a consistent health seeking behavior. (10 marks)
  - c. Explain the data collection methods that you would apply to enable you analyze potential factors that may encourage men to adopt a positive consistent health seeking behavior steps a researcher should take to study it. (10 marks)
4. Explain ten circumstances under which a problem would not constitute an appropriate subject for scientific research. (25 marks)
5. Discuss the importance of a research proposal. (25 marks)
6. Data collection is a very critical step in ensuring rigor in the research process
  - a. Explain the steps in data collection instrument development? (10 marks)
  - b. Explain how errors can be reduced in the process of developing a data collection instrument. (15 marks)