



W1-2-60-1-6

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS 2023/2024

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

PEH 3100: RESEARCH METHODOLOGY

DATE: AUGUST 2023

TIME: 3 HOURS

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS

1. As a postgraduate student, your research output has a potential to influence policy making and changes in public health. (25 marks)
 - a. How would you ensure good quality in your research work? (5 marks)
 - b. Describe ten (10) characteristics of research. (10 marks)
 - c. Define five (5) types of research. (10 marks)
2. Research problem is the foundation for further development of research proposal.
 - a. Outline key information needed in describing the nature of the problem. (5 marks)
 - b. Discuss suitable sources of research problems. (20 marks)
3. Discuss the types of risk to research subjects citing examples. (25 marks)
4. Discuss the considerations in choosing an appropriate research design. (25 marks)
5. Discuss five (5) sampling techniques that produce representative samples. (25 marks)
6. Discuss the aspects considered during critical appraisal of scientific literature. (25 marks)