



W1-2-60-1-6
JOMO KENYATTA UNIVERSITY
OF
AGRICULTURE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS 2023/2024

**YEAR 1 SEM 1 SUPPLEMENTARY/SPECIAL EXAMINATION FOR THE DEGREE OF MSC. PUBLIC
HEALTH/ EPIDEMIOLOGY/BIOSTATISTICS/GLOBAL HEALTH/ MEDICAL MICROBIOLOGY**

TID 3100/PEH 3100: RESEARCH METHODOLOGY

DATE: MAY/JUNE 2024

TIME: 3 HOURS

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS

1. According to Green and Tull —A research is the specification of methods and procedures for acquiring the information needed. It is the overall operational pattern or framework of the project that stipulates what information is to be collected from which sources by what procedures.
 - a. Describe the characteristics of a good research design? (5 marks)
 - b. Describe four types of quantitative research designs. (10 marks)
 - c. Outline the steps in developing a research design. (10 marks)
2. Data collection is a critical step in research methodology.
 - a. Outline 5 considerations in choosing a data collection tool (5 marks)
 - b. Discuss the consequences of improperly collected data (20 marks)
3. Discuss the Ethical issues that would relate to a researcher (25 marks)
4. Discuss the data analysis methods in both qualitative and quantitative research (25 marks)
5. Discuss five sampling techniques that produce non-representative samples. (25 marks)
6. Discuss the considerations in making a research budget (25 marks)

END.