



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2023/2024 ACADEMIC YEAR**

**THIRD YEAR FIRST SEMESTER**

**SCHOOL OF EDUCATION**

**COURSE CODE: ERE 3103-1**

**COURSE TITLE: INTRODUCTION TO  
EDUCATION RESEARCH**

**DATE:**

**TIME:**

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**INSTRUCTIONS TO CANDIDATES**

*This paper consists of **TWO** printed pages. Please turn over*

*Answer Question **ONE** and any other **TWO** questions*

**INSTRUCTION: Answer question one and any other two questions.**

**1 a.** Define the following basic elements of a scientific research.

- i.** Concepts (2 marks)
- ii.** Research problems (2 marks)
- iii.** Variables (2 marks)
- iv.** Research objectives (2 marks)

**b.** State five data collection instruments that are used in quantitative research

design. (5 marks).

**c.** Briefly describe pre-test post-test and control group of a Quasi-Experimental type of research. (4 marks).

**d.** State any three measurement scales that are used in scientific research (3 marks).

**2 a** Discuss five distinguishing features between descriptive and inferential statistics in educational research. (5 marks).

**b** Discuss five Ethical considerations that are applied in educational research. (10 marks).

**3 a.** Discuss any five sampling techniques (5 marks).

**b.** Distinguish between the Quantitative and the Qualitative research approaches in light of:

- i.** Definition.
- ii.** Research types.
- iii.** Data collection tools.

**4.** Citing one example in each case discuss five data analysis techniques in a qualitative type of research (15 marks).

**5 a.** State any Null- Hypothesis of your choice and identify three types of variables in it (5 marks).

**b.** Discuss briefly any five sub-titles that are found in chapter three of a scientific research.  
**(10 marks).**