



MACHAKOS UNIVERSITY

University Examinations 2022/2023

SCHOOL OF EDUCATION

DEPARTMENT OF EARLY CHILDHOOD EDUCATION COMMUNICATION AND
TECHNOLOGY

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR
BACHELOR OF EDUCATION (EARLY CHILDHOOD EDUCATION)

ECE 414: RESEARCH IN CHILD AND FAMILY STUDIES II

DATE:

TIME:

INSTRUCTIONS

Answer Question One and Any Other Two Questions

1. State the meaning of the following terms as used in this course
 - a) Research
 - b) Hypothesis
 - c) Variables
 - d) Research design
 - e) Validity
 - f) Reliability(6 marks)
2. Using examples, briefly describe any four types of variables. (6 marks)
3. Differentiate between quantitative and qualitative research (6 marks)
4. Explain four reasons why it is necessary to analyze data. (6 marks)
5. Describe briefly how you could establish validity and reliability of your research instruments (6 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

6. With examples, discuss any ten principals that guide researchers when carrying out research with children. (20 marks)
7. Using examples where applicable, describe the following types of research studies

- a) Experimental research
 - b) Case study
 - c) Correlational study
 - d) Longitudinal study (20 marks)
8. Discuss the main components of a research proposal by highlighting the importance of each of the sections. (20 marks)
9. Using examples, explain the procedures and processes involved in data analysis. (20 marks)