



# MACHAKOS UNIVERSITY

University Examinations 2022/2023

SCHOOL OF EDUCATION

DEPARTMENT OF EARLY CHILDHOOD EDUCATION COMMUNICATION AND  
TECHNOLOGY

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

ECE 315: RESEARCH IN CHILD AND FAMILY STUDIES I

DATE:

TIME:

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## INSTRUCTIONS

Answer Question One and Any Other Two Questions

1. Giving examples where necessary, define the following terms:
  - i) Hypothesis
  - ii) Research design
  - iii) Operational definition of terms
  - iv) Variables (6 marks)
2. Using relevant examples, distinguish between the following terms:
  - i) Cross-sectional and longitudinal studies
  - ii) Qualitative and quantitative research (6 marks)
3. State six qualities of a good researcher. (6 marks)
4. Explain briefly four reasons why sampling is done in research. (6 marks)
5. Giving examples, describe briefly the four variables you have learnt in this course. (6 marks)
6. a) Using examples where necessary, describe four sampling methods that were used in early childhood studies. (10 marks)  
b) Explain any six points you could consider when drafting a questionnaire. (10 marks)

7. a) Discuss four advantages of using action research in classroom setting. (8 marks)
- b) Explain six steps you would follow when conducting individual teacher action research. (12 marks)
8. Citing examples, discuss five research tools that you could use in research with children. (20 marks)
9. a) Discuss five factors that one needs to take into consideration during data collection process (10 marks)
- b) Explain five steps you will follow when collecting data from children. (10 marks)