



MACHAKOS UNIVERSITY

University Examinations for 2024/2025 Academic Year

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL COMMUNICATION TECHNOLOGY & ECE

THIRD YEAR FIRST SEMESTER EXAMINATION FOR DEGREE IN BACHELOR OF EDUCATION (ECE)

ECE 315: RESEARCH IN CHILD AND FAMILY STUDIES I

DATE: 21ST JANUARY, 2025

TIME: 8.30 AM – 10.30 AM

INSTRUCTIONS:

*Answer question **ONE** (Compulsory) and any other **TWO** questions*

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Giving examples where necessary, define the following terms:
 - i) Hypothesis
 - ii) Research design
 - iii) Operational definition of terms
 - iv) Variables (6 marks)
- b) Explain briefly four reasons why sampling is done in research. (6 marks)
- c) Giving examples, describe the four variables you have learnt in this course. (6 marks)
- d) Using relevant examples, distinguish between the following terms:
 - i) Cross-sectional and longitudinal studies
 - ii) Qualitative and quantitative research (6 marks)
- e) State six qualities of a good researcher. (6 marks)

QUESTION TWO (20 MARKS)

Citing examples, discuss five research tools that you could use in research with children.

QUESTION THREE (20 MARKS)

- 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)

QUESTION FOUR (20 MARKS)

- 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)

QUESTION FIVE (20 MARKS)

- 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)