

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF DOCTOR OF  
PHILOSOPHY IN EDUCATION**

**EDUC 901: ADVANCED RESEARCH METHODS IN EDUCATION**

**STREAMS: B. ED (P/T)**

**TIME: 3 HOURS**

**DAY/DATE: WEDNESDAY 06/10/2021**

**8.30 A.M. – 11.30 A.M.**

**INSTRUCTIONS**

- **Answer question ONE and any other two questions**
  - **Do not write anything on the question paper**
1. a) Distinguish between basic and applied research as applied in education using specific examples. (10 marks)  
b) Explain the procedure for conducting educational research (10 marks)  
c) Describe the common sources of information for education research. (10 marks)
  2. Compare and contrast causal comparative and correlational research and explain the methods of data analysis in each case. (15 marks)
  3. Justify with examples the use of experimental design in education and describe the advantages and limitations of each. (15 marks)
  4. Discuss the benefits and drawbacks of multivariate analysis in educational research. (15 marks)