

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

EDUC 901: ADVANCED RESEARCH METHODS IN EDUCATION

STREAMS: PHD (EDUC)

TIME: 3 HOURS

DAY/DATE: THURSDAY 23/04/2020

11.30 AM – 2.30 PM

INSTRUCTIONS:

- **Answer Question One and any other Two Questions**
- **Do not write on the question paper**

1. (a) Discuss with suitable examples the goals of scientific research. [6 marks]
(b) Distinguish the following concepts used in research
(i) Basic research and applied research
(ii) Independent variable and dependent variable
(iii) Significant and scope [6 marks]
(c) Explain the significant role played by ethical behaviors of researchers. [6 marks]
(d) Discuss the key characteristics of true experimental research in educational studies. [6 marks]
(e) Using clear illustrations explain four measurement scales that researchers in education could adopt for educational research. Give distinctive features to each. [6 marks]
2. “The review of literature plays a critical role in educational research.” Critically evaluate this statement and give appropriate examples to support your arguments. [15 marks]

3. Many post graduate students are faced with this problem of completing their research work within the stipulated period of study. Research has shown that the delay is mainly attributed to the choice of research topics. Using suitable illustrations, discuss important considerations by a student in the selection of a problem of study. [15 marks]
 4. With suitable examples discuss two probability and two non-probability sampling methods that you could use in conducting educational research. [15 marks]
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