

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF POSTGRADUATE DIPLOMA
IN EDUCATION**

PGDE 743: RESEARCH METHODS IN EDUCATION

STREAMS: PGDE

TIME: 2 HOURS

DAY/DATE: TUESDAY 04/12/2018

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- **Question ONE is compulsory**
- **Choose any other TWO questions**

- Q1. (a) (i) Using relevant examples, discuss three goals of educational research. (6 marks)
- (ii) Describe six characteristics of a researchable problem. (6 marks)
- (b) By way of contrast, explain the following;
- (i) Internal and External validity. (2 marks)
- (ii) Descriptive and inferential statistics. (2 marks)
- (c) What do you understand by the terms “limitations” and “assumptions” in a research study? (2 marks)
- (d) Evaluate the use of hypotheses and research questions in research work. (4 marks)
- (e) Using relevant examples especially in two probability and two non-probability sampling methods. (4 marks)
- (f) Discuss two methods of estimating reliability of an instrument in research. (4 marks)

- Q2. (a) Differentiate the following:
- (i) Applied and basic types of research (3 marks)
 - (ii) Quantitative and Qualitative research (3 marks)
- (b) Critically examine the following
- (i) Survey research (3 marks)
 - (ii) Experimental research (3 marks)
 - (iii) Case studies (3 marks)
- Q3. Identify and write a title of research in the area of education and from it answer the following questions:
- (i) Write a brief statement of the problem. (3 marks)
 - (ii) Give two objectives of the study. (2 marks)
 - (iii) Describe the conceptual framework of the study (use a model). (4 marks)
 - (iv) Explain the appropriate design of your study. (2 marks)
 - (v) Discuss the data collection methods to use for your study. (4 marks)
- Q4. Literature review in research is more than a mere summary of literature. Basing your argument on this understanding discuss the rationale in literature review in research. (15 marks)
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