



KENYATTA UNIVERSITY

CONTINUING EDUCATION PROGRAMME (CEP) 2022/2023

EXAMINATION FOR THE DEGREE OF MASTER OF EDUCATION

ECC 800: RESEARCH METHODS IN EDUCATION

APRIL 2023 SESSION

TIME: 3 Hours

INSTRUCTIONS:

- i. Answer Question ONE and any other TWO.
- ii. Do not write anything on the Question Paper.
- iii. Choices have consequences. Be sure any involvement in examination malpractices will attract immediate self disqualification from the study.

Question One [30 marks]

- a) Differentiate between:
 - (i) A title and a topic in scientific research. (2 marks)
 - (ii) A concept paper and a research proposal. (2 marks)
 - (iii) An appendix and a reference. (2 marks)
- b) Describe 3 key qualities of a researchable problem statement in scientific research. (6 marks)
- c) Explain 6 key qualities of a scholarly scientific researcher. (6 marks)
- d) Justify the centrality of conceptual framework in scientific research. (6 marks)
- e) Explain 6 qualities of effective related literature review. (3 marks)
- f) Explain 3 characteristics of innovative scientific research. (3 marks)

Question Two [20 marks]

- a) Explain three gaps of knowledge researches can highlight in the summary section at the end of chapter two of research proposal. (6 marks)
- b) Explicate 6 qualities of effective background to the study in a scientific research proposal. (6 marks)
- c) Describe criteria used to determine sample size in scientific research. (8 marks)

Question Three [20 marks]

- a) Explain 3 differences in quantitative and qualitative research paradigms, giving suitable illustrations. (6 marks)
- b) Elucidate 6 steps in scientific research process. (6 marks)
- c) Describe 8 factors to consider in selection of statistical packages for data analysis in scientific research. (8 marks)

Question Four [20 marks]

- a) Using relevant examples, explain 6 essential items to include in a scientific scholarly abstract in a scientific research report. (6 marks)
- b) Discuss the qualities of effective research report in educational research. (8 marks)
- c) Explain importance of variables in research in education. (6 marks)

Question Five [20 marks]

- a) Compare and contrast research proposal research and thesis in education. (8 marks)
- b) Distinguish between a construct and a variable. (2 marks)
- c) Describe 5 ways a researcher can triangulate a study. (10 marks)