



KENYATTA UNIVERSITY
CONTINUING EDUCATION PROGRAMME (CEP) 2023/2024
EXAMINATION FOR POSTGRADUATE DIPLOMA IN EDUCATION

EMP 724: RESEARCH METHODS IN EDUCATION

DECEMBER 2023 SESSION

TIME: 2 HOURS

INSTRUCTIONS:

Answer Question ONE and any other TWO Questions

1. (a) Using examples, explain the characteristics of educational research. (4marks)
 - (b) Outline two ways in which a clear study background supports a research study under investigation. (4 marks)
 - (c) State three functions of a conceptual frame work in a study. (3 marks)
 - (d) Briefly explain the usefulness of conducting a critical interrogation of literature in research study. (4 marks)
 - (e) Explain four factors that may inform a researcher the kind of research design to use when carrying out a study. (4 marks)
 - (f) As a researcher, you have been tasked to conduct a study whose target population are people with disabilities. Identify four ethical considerations that you will take into account. (4 marks)
 - (g) Briefly explain four Qualitative research study designs that a researcher can embrace when carrying out research. (4 marks)
 - (h) State three type of hypothesis that a researcher can formulate when conducting a relationship study. (3 marks)
2. You have been tasked by the country director of education to address the issue of performance appraisal as it links to teacher performance. You are expected to conduct a study that will advise the TSC on how to improve teacher performance in schools.

Required:

- (a) Formulate a suitable title for your study. (2 marks)
- (b) State three objectives that will guide your study. (3 marks)

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- (c) Briefly explain the problem that you will be investigating in order to address the problem identified. (6 marks)
- (d) Draw a suitable conceptual framework showing how your study variables will be interplaying. (6 marks)
- (e) Explain how data from the three objectives will be analyzed. (3 marks)
3. (a) Using suitable examples distinguish between qualitative and quantitative research methodologies. (10 marks)
- (b) Mixed method Research approach has gained popularity among researcher, discuss the various strands of mixed methods and outline clearly when they are applied. (10 marks)
4. (a) Reliability of a study instrument is important in any research process. Describe five techniques that could be applied to test reliability of research instruments. (10 marks)
- (b) Using relevant examples, explain five factors that affect the reliability of research instruments. (10 marks)
5. (a) Effective data analysis is important if a researcher has to make meaning out of the data and draw logical meaning out of. Explain four quantitative data analysis techniques that a researcher may wish to use. (8 marks)
- (b) Discuss six challenges that researches encounter when analyzing research data. (12 marks)