REFORMED CHURCH UNIVERSITY

FACULTY OF EDUCATION AND SOCIAL SCIENCES

BACHELOR OF EDUCATION HONOURS DEGREE IN EARLY CHILDHOOD DEVELOPMENT

RESEARCH METHODS & STATISTICS

HECD 119

PART 1 SEMESTER 2 EXAMINATION

TOTAL MARKS   [100]

DATE: June 2024

Time: 3 Hours

INSTRUCTIONS

1. This paper has *five (5)* questions

2. Answer question 1 and *any* **other (2) questions**

3. Question 1 carries 40 marks and the rest of the questions carry 30 marks each.

4. Start each question on a new page

5. Candidates may use non-programmable, noiseless and cordless calculators.

6.   Candidates are provided with tables of statistical formulae.

1. Discuss the essence of any five non probability sampling techniques in doing research in your area of study. (40 marks)

2. The increasingly complex nature of our society has focused attention on the use of research in solving operational problems. Identify and explain ten characteristics of good research. (30marks)

3. Compare and contrast the following terms as they are applied and used in research:

a. Validity and reliability   (6 marks)
b. Triangulation and pilot study   (6 marks)
c. Delimitation and limitations of the study   (6 marks)
d. Census and sample   (6marks)
e. Quantitative and qualitative   (6 marks)

4. Proposal writing is one of the important stages in the research process. A student wishing to carry out research is first required to submit a research proposal which will be assessed and approved by the relevant academic department before embarking on the actual study (Saunders et al, 2015).

a) In writing a research proposal, there are definite sections you have to write. Explain what you are required to write in any five sections of a research proposal (15 marks)

b) Examine the purpose of writing a research proposal. (15 marks)

5. Research process involves identifiable steps that researchers usually follow.

a) Discuss the steps   (15 marks)
b) Identify characteristics of a good research topic   (15 marks)

End of paper