REFORMED CHURCH UNIVERSITY

FACULTY OF EDUCATION AND SOCIAL SCIENCES

BACHELOR OF EDUCATION DEGREE IN INCLUSIVE EDUCATION

ADVANCED RESEARCH METHODS AND STATISTICS

HIE 111

Part 1 Semester 2 Examination

Total Marks   [100]

Date: OCTOBER 2024

Time: 3 Hours

INSTRUCTIONS

1 This paper has *five (5)* questions

2. Answer Question 1 and any other two Questions

3. Each question carries 100 marks

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. Compare and contrast qualitative and quantitative research.   100 marks

2. Your supervisor has tasked you to go and write chapter 3 of your dissertation.
    i.   Identify a research topic you will be researching on.
    ii.   Justify a research approach you would use for the topic you identified in 'i'.
    iii. Discuss the relevance of any two sampling methods for the research topic you identified.
    iv.   Identify three data collection methods for the study and give justifications for their relevance.   (100 marks)

3. With reference to examples, examine the relevance of cultural heritage research in addressing challenges faced by teachers in inclusive classrooms.   (100 marks

4. i) Discuss the characteristics of a good questionnaire
   iii) Explore the major challenges researchers face in data collection using the questionnaire method.   (100 marks)

5. a) A gardener buys 10 packets of seeds from two different companies. Each pack contains 20 seeds and he records the number of plants which grow from each pack.

| Company A | 20 | 5 | 20 | 20 | 20 | 6 | 20 | 20 | 20 | 8 |
| Company B | 17 | 18 | 15 | 16 | 18 | 18 | 17 | 15 | 17 | 18 |

 i) Find the mean, median and mode for each company's seeds.
 ii) Discuss the requisites of a good measure of central tendency (100 marks)

END OF PAPER