

# REFORMED CHURCH UNIVERSITY



## Research Methods and Statistics

HRCU 201/HICT 214/HECD119

Total Marks [100]

Date: OCTOBER 2024

Time: 3 Hours

### INSTRUCTIONS

- 1 This paper has ***Five (5)*** questions
  - 2 Answer question 1 and any ***any two (2)*** questions
  - 3 Question 1 carries 40 marks and the other 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.
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1. In qualitative research, trustworthiness of data is central to quality of research output. With reference to relevant examples in your area of study, discuss the following issues in trustworthiness:
    - i. Credibility 10 marks
    - ii. Transferability 10 marks
    - iii. Dependability 10 marks
    - iv. Confirmability 10 marks

2. Examine the utility of participant observation method as a data generation approach in your area of study. 30 marks
3. Justify the use of any five non probability sampling methods when doing research in an inclusive environment in your area of study. 30 marks
4. With reference to relevant examples, briefly describe the following concepts as they are used in research:
  - a. Qualitative research
  - b. Quantitative research
  - c. Sample
  - d. Population
  - e. Validity
  - f. Reliability
  - g. Plagiarism
  - h. Research methodology
  - i. Significance of the study

3 marks x 10 = 30 marks

5. Assess the significance of the mean as a measure of central tendency in research. (30 marks)