



**REFORMED CHURCH UNIVERSITY**

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**FACULTY OF EDUCATION AND SOCIAL SCIENCES**

**MASTER IN INCLUSIVE EDUCATION**

**ADVANCED RESEARCH METHODS AND  
STATISTICS**

**MINE 105**

**Part 1 Semester 2 Examination**

**Total Marks [100]**

**Date: OCTOBER 2024**

**Time: 3 Hours**

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**INSTRUCTIONS**

1. This paper has five (5) questions.
2. Answer question **one** (1) and any other two (2) questions.
3. Question 1 is compulsory
4. Each question carries 100 marks.
5. Start each question on a new page

1. Assess the utility of any three mixed method designs in researching with learners with Visual Impairment. (100 marks)
  
2. With reference to examples, justify the use of multi stage sampling approach over single stage sampling approach in doing research at Masters Level. (100 marks)
  
3. Examine any four ways of ensuring that the research instruments you use for data collection are valid. (100 marks)
  
4. Assess the utility of using the quantitative research approach when doing research with children with special needs. (100 marks)

5. **TABLE 1**

	X	Y
A	40	52
B	42	62
C	40	48
D	69	70
E	62	74

- a. Compute the regression equation for the set of data given above
- b. Using the regression equation
  - i) Calculate x if y is 64
  - ii) Calculate y if x is 50 (100 marks)

**END OF PAPER**