REFORMED CHURCH UNIVERSITY

RESEARCH METHODS & STATISTICS

HRCU 201/HPAD 208/HHRM 230/HICT 214/HECD 119/HBATH 206/HDS 212

PART 2 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 (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. 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. A researcher collects data from a sample of 15 people who participated in a workshop on drug and substance abuse. The data showed ages of the participants (X) and their average income per month (Y).

participant	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Age (X)	15	23	40	31	35	27	22	23	18	27	32	36	19	27	22
Income (Y)	40	70	120	40	200	80	170	60	30	40	60	100	80	50	90

1. Calculate the mean of X and the mean of Y.   4 marks
2. Find the median of X and the median of Y   4 marks
3. Find the mode of X and the mode of Y   4 marks
4. Compute Standard deviation of X and standard deviation of Y   10 marks
5. Calculate and interpret the standard z-scores of the following ages
   a. 23   4 marks
   b. 36   4 marks

END OF PAPER