



PAN AFRICA CHRISTIAN UNIVERSITY

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

**END OF SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF ARTS IN COMMUNITY DEVELOPMENT**

SEPTEMBER-DECEMBER 2022 TRIMESTER

CAMPUS: ROYSAMBU

DEPARTMENT: COMMUNITY DEVELOPMENT

COURSE CODE: CDC 313/BCSL 418

COURSE TITLE: SOCIAL STATISTICS

EXAM DATE:

DURATION: 3 HOURS

TIME: 5:30PM-8:30PM

INSTRUCTIONS

- Read the instructions and questions carefully before you write the answers.
- **Answer any TWO questions**
- *ALL PAC University's examination rules and regulations apply*

QUESTION ONE

- a) For each the following variables discuss the appropriate measurement scale
- Ethnic background (2 Marks)
 - Student assignment marks (2 Marks)
 - Level of education (2 Marks)
 - Gender (2 Marks)
 - Weight of babies (2 Marks)
- b) Discuss the advantages of using primary data over secondary data in social research (5 Marks)
- c) Using an illustration in each case explain two functions of statistics in social work (5 Marks)

QUESTION TWO

- a) Differentiate between the following with an example in each case
- Population and sample (3 Marks)
 - Descriptive statistics and Inferential Statistics (3 Marks)
 - Measures of central tendency and measures of dispersion (4 Marks)
- b) An insurance company has two claim assessors who must each give approval to customers who wish to log a claim for compensation. The manager currently has eight such customers and has asked each assessor independently to rank the customers claim in order of merit. The ranking are shown below

Customer	A	B	C	D	E	F	G	H
Assessor 1 ranking	4	6	2	1	5	8	6	3
Assessor 2 ranking	4	8	1	3	7	4	6	2

Required

- Calculate the rank coefficient of correlation of the two sets of ranking (8 Marks)
- Comment on each of the results. (2 Marks)

QUESTION THREE

Below is a grouped frequency distribution table below obtained by a social worker on the number of visits for some community work.

Number of visits	Frequency
5 - 9	3
10 - 14	2
15 - 19	6
20 - 24	5
25 - 29	4
30 - 34	8
35 - 39	7

Required

Determine the following

- (i) Mean visits (4 Marks)
- (ii) Median visits (5 Marks)
- (iii) Mode visits (4 Marks)
- (iv) The standard deviation (7 Marks)