NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

BACHELOR OF SCIENCE HONOURS DEGREE IN LIBRARY AND INFORMATION SCIENCE

RESEARCH METHODS AND STATISTICS

ILI 2203

Second Semester Examination Paper

May 2017

This examination paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: None

Examiner's Name: L R FUSIRE

INSTRUCTIONS

1. Answer any four (4) questions
2. Each question carries 25 marks
3. Importance is attached to accuracy, clarity of expression and legible handwriting

MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5.	25
6.	25

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1. Distinguish between validity and reliability in research. [25 marks]

2. Justify why a review of literature is crucial when embarking on a research study. [25 marks]

3. Demonstrate, using examples, how cluster sampling differs from stratified sampling. [25 marks]

4.1 Discuss the limitations of statistics. [10 marks]

4.2 Under what circumstances would you use each of the following measures of centres?

   4.2.1   Mode [5 marks]

   4.2.2   Mean [5 marks]

   4.2.3   Median [5 marks]

5. Identify and explain any five (5) non-probability sampling techniques. [25 marks]

6. Assess the circumstances under which the case study method would be the most suitable as a strategy of inquiry. [25 marks]

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