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

Supplementary Examination Paper

July 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**

1. Descriptive statistics is the predominant type of data analysis employed by researchers in the library and information science profession. Discuss, using examples, the usefulness of descriptive statistics to information professional. (25 marks)

2. Write a mini proposal for a research you would wish to conduct, showing:

2.1 Background (5 Marks)
2.2 Problem (5 Marks)
2.3 Objectives (5 Marks)
2.4 Research questions (5 Marks)
2.5 Methodology (5 Marks)

3. In any research involving human beings, a number of ethical concerns demand careful attention. Discuss, using examples from your profession, the ethical issues that need attention. (25 marks)

4. With the aid of examples, demonstrate your understanding of the following concepts.

4.1 Data (2 marks)
4.2 Dataset (5 marks)
4.3 Qualitative variable (5 marks)
4.4 Quantitative variable (5 marks)
4.5 Producing data (5 marks)
4.6 Probability (3 marks)

5. Justify, with practical examples, why a researcher should uphold ethics when conducting research. (25 marks)

6. The following are marks for the 20 Publishing students who set for an examination in 2012.

41, 42, 43, 88, 88, 84, 40, 50, 50, 50, 60, 79, 82, 80, 50, 60, 49, 49, 50, 72

Using the data above, discuss why it is important to calculate the mode, mean and median of the data set in research. (25 marks)