



**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 II**

**ILI 2209**

**Special Examination Paper**

**August 2024**

This examination paper consists of 2 pages.

**Time Allowed:** 3 hours  
**Total Marks:** 100  
**Special Requirements:** None  
**Examiners:** Ms Mupambwa D. B.

**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. Explain any five categories of descriptive statistics that are common in LIS research. [25 marks]
2. With the aid of a diagram, demonstrate your understanding of the types of data and their levels of measurement in research. [25 marks]
3. The following are test scores of 15 LIS students from a recent examination.  
50, 62, 68, 40, 68, 52, 86, 90, 28, 30, 76, 32, 20, 32, 70

**Calculate**

- a. mean [2 marks]
  - b. median [2 marks]
  - c. mode [2 marks]
  - d. range [2 marks]
  - e. interquartile range [5 marks]
  - f. variance [8 marks]
  - g. standard deviation [4 marks]
5. Discuss the role of inferential statistics in research. [25 marks]
  6. Outline the procedure for analysing qualitative data in research. [25 marks]
- 6a. Explain the essence of **Discussion of Findings** during the report writing stage of your dissertation. [20 marks]
  - 6b. Show your understanding of the term **Conclusion(s)** within a research context. [5 marks]