



NATIONAL OPEN UNIVERSITY OF NIGERIA
Department of Library and Information Science

First Semester Examination, 2023_1

Research Methods and Statistics in library & Information Science, (LIS 305)

2023_2 EXAMINATIONS_

LIS305: Research Methodology and Statistics in LIS, 2CU

Time Allowed: 3 Hours

Instruction: Answer **Four** Questions. Question **One** is **COMPULSORY**. All questions carry equal marks except question one.

1. Discuss Five (5) traditional methods of acquiring knowledge that are still relevant in the 21st century.
2.
 - a. What is research?
 - b. Discuss the characteristics of a good research design
3. Briefly discuss the significance of these concepts in research:
 - a. Continuous variables
 - b. Quantitative research
 - c. Hypothesis Testing
 - d. Replicability
 - e. Objectives of the study
4. What are **THREE** likely threats to the internal and external validity of research instruments in library and information Science?
5. Name and describe the **FIVE** steps to analyse qualitative data
6.
 - a. What is Triangulation?
 - b. Briefly discuss the following:
 - i. Data Triangulation
 - ii. Methodological Triangulation
 - iii. Theory Triangulation
 - iv. Investigator Triangulation