



NATIONAL OPEN UNIVERSITY OF NIGERIA
Department of Library and Information Science
2023_1 POP EXAMINATION.

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

Time Allowed: **3 Hours**

Instruction: Please carefully read and take note of the instruction below:

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

1. a. With the aid of a diagram, define and discuss triangulation in research.
 b. Discuss the four types of triangulations in research studies.

2. a. What is quantitative research?
 b. Discuss **FOUR** advantages of quantitative research

3. a. Every research study involves serious responsibility. What is research ethics?
 b. Discuss **FOUR** ethical issues in a research procedure

4. From time immemorial, humankind has always employed a process that leads to generating a body of knowledge. Discuss **FIVE** accepted methods of knowledge acquisition commonly available to humanity.

5. Write short notes on the following:
 - a. Independent variables
 - b. Dependent variables
 - c. Continuous variables
 - d. Discrete variables
 - e. Nominal variables

6. a. Differentiate between research design and research approach
 b. Discuss **FOUR** (4) characteristics of a good research design.