



NATIONAL OPEN UNIVERSITY OF NIGERIA
Faculty of Education
Department of Library and Information Science
2025_2 EXAMINATIONS

Course Title: Research Methods and Statistics in Library & Information Science
Course Code: LIS305 (3CU)
Time Allowed: 3 Hours
Instruction: Please carefully read and take note of the instruction below:
Answer THREE questions in all, question one and any other two questions.

Question 1

- a. Research is “a systematic investigation to describe, predict and control a phenomenon which employs inductive and deductive method”. Discuss. **(4marks)**
- b. Explain the following methods of acquiring knowledge:
 - i. Traditions **(4marks)**
 - ii. Experience **(4marks)**
 - iii. Trial and Error **(4marks)**
- c. What is survey research? **(5marks)**
- d. Briefly explain the steps involved in survey research. **(9marks). Total 30marks.**

Question 2

- a. Define literature review. **(8marks)**
- b. Identify the common shortcomings in literature review **(7.5marks)**
- c. Explain ‘Definition of Terms’. **(4.5marks). Total 20marks.**

Question 3

- a. Define research design. **(5marks)**
- b. Explain in detail the importance of research design **(7marks)**
- c. What are the characteristics of a good research design **(8marks). Total 20marks.**

Question 4

- a. Define the concept of participant observation. **(5marks)**
- d. Give three (3) advantages and disadvantages of participant observation **(9marks)**
- c
 - i. Explain the term with example Structured Interview **(3marks)**
 - ii. Explain with example Unstructured Interview **(3marks)**. **Total 20marks.**

Question 5

- a. What is sampling error and sampling bias **(7marks)**
- b. Briefly Explain the criteria for 'Evaluation of Research Report' **(6marks)**
- c. Briefly examine the APA guidelines in preparing research report. **(7marks)**. **Total 20marks.**

Question 6

- a. What is the scientific method of acquiring knowledge **(10marks)**
- b. With the aid of a diagram, illustrate the steps involved in scientific method of acquiring knowledge **(10marks)**. **Total 20marks.**