

# NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE

DEPARTMENT OF RECORDS AND ARCHIVES MANAGEMENT

RESEARCH METHODS IN INFORMATION SCIENCE

IIM 2203

Main Examination Paper

February 2025

This examination paper consists of 3 pages

Time Allowed : 3 hours  
Total Marks : 100  
Examiner's Name : Ms. H. Ndlovu

## INSTRUCTIONS

1. Answer any **four (4)** questions.
2. Each question carries **25 marks**.

## MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5.	25
6.	25

1. Explain the meaning of the following terms as used in research:

- a) Basic research [5 marks]
- b) Research design [5 marks]
- c) Generalisability [5 marks]
- d) Applied research [5 marks]
- e) Validity [5 marks]

[Total 25 marks]

2. Describe the nature of qualitative research.

[25 marks]

3. Explain the following ethical principles of research:

- a) Respect for persons [5 marks]
- b) Beneficence [5 marks]
- c) Justice [5 marks]
- d) Fidelity [5 marks]
- e) Veracity [5 marks]

[Total 25 marks]

4. Distinguish between probability and non-probability sampling techniques.

[25 marks]

5. Discuss the importance of a theoretical and conceptual framework in research.

[25 marks]

6. Guided by the diagram below explain the following:

- a) Data collection methods.
- b) Primary sources
- c) Secondary sources.
- d) Triangulation of data sources.
- e) Observation
- f) Interviewing

[2 marks]  
[5 marks]  
[5 marks]  
[5 marks]  
[4 marks]  
[4 marks]  
[Total 25 marks]

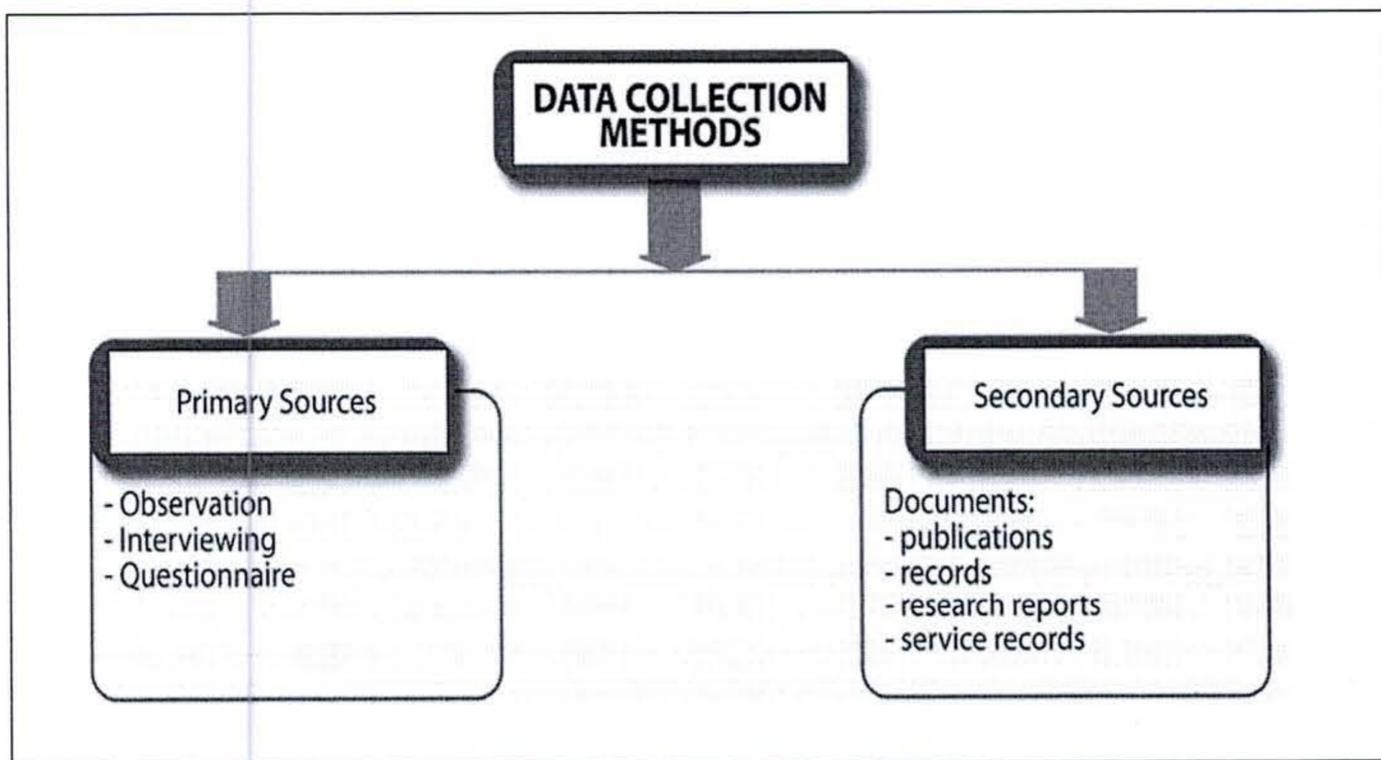


Figure 1: Data collection methods Source: Perskin, A. (1993:29)

END OF PAPER