



**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**FACULTY OF COMMUNICATION AND INFORMATION SCIENCE**  
**DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE**  
**Post Graduate Diploma in Library and Information Science**  
**Research Methods in Information Science**

**PDL 5306**

**Part I Second Semester Examination Paper**

**April 2017**

This examination paper consists of 2 pages

**Time Allowed:** 3 hours  
**Total Marks:** 100  
**Examiner's Name:** Mr N. Pasipamire

**INSTRUCTIONS**

1. Answer any four (4) questions.
2. Give equal time to all questions you choose.
3. Each question carries 25 marks.
4. Importance is attached to clear presentation of ideas, good expression and legibility of handwriting.

**MARK ALLOCATION**

<b>QUESTION</b>	<b>MARKS</b>
1.	<b>25</b>
2.	<b>25</b>
3.	<b>25</b>
4.	<b>25</b>
5.	<b>25</b>
6.	<b>25</b>

- 1.1 Discuss the use of questionnaire as an instrument of gathering data in a qualitative research. [10 Marks]
- 1.2 In your opinion, what are the advantages and disadvantages of using questionnaires as instrument of gathering data. [15 Marks]
2. Identify and explain any five (5) probability sampling techniques. [25 Marks]
3. Using example from your profession, evaluate the following techniques of creating reliable measures:
- 3.1 Test – retest method [5 Marks]
  - 3.2 Multiple forms [5 Marks]
  - 3.3 Inter-rater reliability [5 Marks]
  - 3.4 Split half method [5 Marks]
  - 3.5 Use of established measures [5 Marks]
4. In any research involving human beings, a number of ethical concerns demand careful attention. Illustrate, using examples from your profession, the ethical issues that need attention. [25 Marks]
5. Discuss, using concrete examples, validity and reliability issues as they apply to different types of quantitative and qualitative strategies of inquiry, pointing out threat and measures that can be used to overcome them. [25 Marks]
6. Analyse the focus group method of data collection in relation to the following issues:
- 6.1 recording and transcription [5 Marks]
  - 6.2 the number of groups needed [5 Marks]
  - 6.3 the size of the groups [5 Marks]
  - 6.4 Level of moderator involvement [5 Marks]
  - 6.5 Analysis [5 Marks]