



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Master of Science Degree in Library and Information Science

RESEARCH METHODS AND DATA ANALYSIS TECHNIQUES

ILI 5102

Supplementary Examination Paper

January 2016

This examination paper consists of 2 pages

Time Allowed: 3 hours
Total Marks: 100
Special Requirements: None
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

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

1. Evaluate the elements of a good research problem. [25 marks]

2. Demonstrate, using examples, how theories are used in qualitative, quantitative and mixed methods studies. [25 marks]

3. With reference to the parameters below, demonstrate how ethnographic research methods differ from any other research method of your choice.
 - 3.1 Access [5 marks]
 - 3.2 Key informants [5 marks]
 - 3.3 Validity and reliability [5 marks]
 - 3.4 Sampling in ethnography [5 marks]
 - 3.5 Field notes [5 marks]

4. Assess the steps that one should follow in determining the size of a sample in quantitative studies. [25 marks]

5. Explain how literature is used in qualitative, quantitative and mixed methods studies. [25 marks]

6. Using example from your profession, evaluate the following techniques of creating reliable measures:
 - 6.1 Test – retest method [5 marks]
 - 6.2 Multiple forms [5 marks]
 - 6.3 Inter-rater reliability [5 marks]
 - 6.4 Split half method [5 marks]
 - 6.5 Use of established measures [5 marks]