

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF COMMUNICATION AND INFORMATION SCIENCE
DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
BACHELOR OF SCIENCE (HONOURS) DEGREE IN LIBRARY
AND INFORMATION SCIENCE

PART II SECOND SEMESTER MAY 2012 EXAMINATIONS

ILI 2203: RESEARCH METHODS AND STATISTICS

TIME: 3 HOURS

Instructions to candidates

1. Answer any four (4) questions.
 2. Each question carries 25 marks.
 3. Give equal time to each question.
 4. Importance is attached to accuracy, clarity and legibility of handwriting.
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1. It has been reported in the news that there is a diarrhoea outbreak in a particular district and the death toll is shocking. Identify and justify the methods you would use to investigate this problem. Show in your answer, the likely respondents and why those people are better positioned to give answers that will help in rectifying the situation. [25 marks]
2. Critique the notion that in qualitative research, the researcher's personal attributes can act as confounding or intervening variables which can threaten the credibility of data collected using interviews. [25 marks]
3. You have been given US\$ 2000 by Bulawayo City Council to conduct a research on ways of improving refuse collection in the high density suburbs. As an individual, you already have information that some employees collect money from residents in order to collect refuse more regularly in those areas. What value and ethical dilemmas will you face in conducting this kind of research? [25 marks]
4. Distinguish between the following:
 - 4.1 Induction and deduction [5 marks]
 - 4.2 Reliability and validity [5 marks]
 - 4.3 Positive and normative statements [5 marks]
 - 4.4 Probability and non probability sampling [5 marks]
 - 4.5 Longitudinal and cross sectional research designs [5 marks]
5. Identify and explain the use of any five (5) probability sampling techniques in research. [25 marks]
6. Identify the stages in the design of a questionnaire and discuss the problems that are likely to be encountered by researchers. [25 marks]

END OF PAPER