

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 AUGUST 2010 SUPPLEMENTARY EXAMINATIONS

ILI 2203: RESEARCH METHODS AND STATISTICS

TIME : 3 HOURS

Instruction to candidates

1. Answer any four (4) questions.
 2. Each question carries 25 marks.
 3. Give equal time to all questions.
 4. Importance is attached to accuracy, clarity and legible handwriting.
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1. The experimental method, the survey and the case study are considered as the traditional research designs. Briefly assess how each differs from the other.
2. Assess five (5) threats to internal and external validity in a research design.
- 3i. Explain, briefly, what you can do at data gathering and data analysis stages to turn qualitative data into quantitative data so that it becomes amenable to statistical analysis. (15 marks)
- 3ii. Explain the nature of data that you could display in a piechart and not in a bar graph. (10 marks)
- 4i. Discuss, briefly, any three rating scales that you are most familiar with. (15 marks)
- 4ii. Assess similarities and differences between an unstructured interview schedule and an open-ended questionnaire. (10 marks)
5. Discuss, giving examples from your field, the advantages and disadvantages of blending quantitative and qualitative methodologies in research.
6. Explain what you understand by the following terms:
 - i. Research design (5 marks)
 - ii. Cluster sampling (5 marks)
 - iii. Quota sampling (5 marks)
 - iv. Case study (5 marks)
 - v. Content analysis (5 marks)

END