

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
STAGE I FIRST SEMESTER JANUARY 2013 SUPPLEMENTARY EXAMINATIONS

ILI 5102: RESEARCH METHODS AND DATA ANALYSIS TECHNIQUES

TIME: 3 HOURS

Instructions to candidates

1. Answer any four (4) questions.
 2. Each question carries 25 marks.
 3. Importance is attached to accuracy, clarity of expression and legibility of handwriting.
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1. The two (2) main modes of scientific logic include deduction and induction. Illustrate how each of these modes could be used in a research setting. [25 marks]
 2. Discuss the goals of reviewing literature in research. [25 marks]
 3. Discuss the essence of using multiple indicators during the measuring process in research. [25 marks]
 4. Identify at least five (5) aspects that can threaten the internal validity of a longitudinal survey research that has the same cohort of respondents. [25 marks]
 5. Critique the statement that in recent years, a number of individuals have tended to think that qualitative research or observational methods are superior to quantitative methods in social research. [25 marks]
 6. With reference to statistical analysis, assess the importance of each of the following:
 - 6.1 Data tabulation [5 marks]
 - 6.2 Data editing [5 marks]
 - 6.3 Data coding [5 marks]
 - 6.4 Data classification [5 marks]
 - 6.5 Visual data display techniques [5 marks]

END OF PAPER