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 2011 EXAMINATIONS

ILI 2203: RESEARCH METHODS AND STATISTICS

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. Question no. 1 is <u>compulsory.</u>
2. Answer any three questions from questions 2 to 6.
3. The total number of questions to be answered is four, including question no. 1.
4. Give equal time to all questions you choose.
5. Each question carries <u>25 marks</u>.
6. Importance is attached to clear presentation of ideas, good expression and legibility of handwriting.

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1. Identify and discuss a topic in your area of expertise in which attitudes and behaviours are best understood in their natural setting, highlighting the two main methods or data collection techniques you would use to gather data. (25 marks)

2. Discuss, giving practical examples, the major issues that can be considered when choosing rating scales. (25 marks)

3.1 Explain the differences between context and integrative reviews of literature. (15 marks)

3.2 Evaluate two methods of collecting qualitative (nonreactive) data. (10 marks)

4.1 Compare and contrast interviewing in field research and in survey research. (10 marks)

4.2 Discuss, in brief, the most appropriate sampling plan for a study in which NUST as a whole including its Members of Council, acts as a unit of observation. (15 marks)

5.1 Give justification for the use of multiple indicators in quantitative research. (10 marks)

5.2 Evaluate any five (5) aspects that pose a threat to internal validity in experimental research. (15 marks)

6.1 Briefly explain the concept of data editing, highlighting at least five (5) types of edits. (15 marks)

6.2 Explain the relationships among a histogram, a stem and leaf display and a frequency polygon.

(10 marks)

END OF PAPER