

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF ARCHITECTURE AND QUANTITY SURVEYING
BACHELOR OF QUANTITY SURVEYING (HONOURS) DEGREE
PART I FIRST SEMESTER EXAMINATIONS – DECEMBER 2004**

**TECHNIQUES OF GATHERING MATERIALS, REPORT WRITING AND
SPECIFICATION I – AQS 1107**

TIME: 3 Hours

TOTAL MARKS: 100

INSTRUCTIONS:

Answer **3** questions.

All questions carry EQUAL marks

QUESTION 1

- (a) For what kind of study design may purposive sampling be appropriate?
- (b) Do issues of representativeness apply to non-random sampling design? Explain your answer.

QUESTION 2

- (a) Why does random selection of units in sampling not eliminate sampling error?
- (b) What effect do different random designs have on such error?
- (c) What are the most important implications of sampling error for data analysis?
- (d) Which considerations would influence the decision on what the desirable sample size for a particular study would be?

QUESTION 3

- (a) Discuss ways in which researchers could enhance the relevance of their work for decision makers.
- (b) Are there dangers associated with focusing mainly on the “utility” of research?

QUESTION 4

- (a) What would you consider to be the key stages in the designing of a questionnaire?
- (b) What means would you take to improve the quality of data to be gathered through the questionnaire?

QUESTION 5

- (a) Paton (1990) gives various types of interviews which can be undertaken with groups or individuals. Identify and explain these types of interviews.
- (b) How can one improve interviews as to get reliable and valid data?

END OF EXAMINATION