

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY  
FACULTY OF ARCHITECTURE AND QUANTITY SURVEYING  
DEPARTMENT OF ARCHITECTURE  
BACHELOR OF SCIENCE IN QUANTITY SURVEYING (HONOURS) DEGREE  
PART I FIRST SEMESTER EXAMINATIONS 2005**

**AQS 1102: DESCRIPTIVE GEOMETRY**

**Instructions**

**Time: 4 Hours**

***Answer Q1 (a) on the answer sheet provided.***

***Question 1(b) is to be answered on a single A2 sheet separately***

***Marks will be awarded to neatly presented work.***

***You can draw either in pencil or technical pen.***

***Do not write your name on any sheet.***

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**QUESTION 1**

- a) Working drawings constitute one of the most effective communications ways in the construction industry. Elaborate and explain what constitute working drawings. What other forms of projection are used on occasions to make drawings more easily understood?
  
- b) A client (Mrs B V Dube of Selbourne Park of Bulawayo) has approached you with a sketch below for an out-building/cottage on her rectangular stand measuring 50.0m by 22.0m. The shorter side of the stand is parallel to an existing road which is to the south of the stand. The out-building/cottage is to be located close to the northeast corner of the stand such that its sides are parallel to the stand boundaries; ie at four metres (4m) way . Produce working drawings (on a single A1 sheet) showing site plan (1:200), south elevation, west elevation and one section (all at 1:100)

The following information on doors and windows is provided:

Doors: D1 is ordinary flush door,      D2 is a French door,                      and    D3 is a stable door type

Windows: W1 is 1500 x 900    W2 is 2000x 1200      W3 is 900 x 600      W4 is 1200 x 600

**sketch of plan of a cottage for Mrs B V Dube attached**

**END OF EXAMINATION**