NOTES TO CANDIDATES:

This is not an open book examination. Only the following reference material will be permitted in the venue:


All work is to be measured in accordance with the latest edition of the Standard System of Measuring Building Work

NO class notes, drawings, or take-offs will be permitted in the venue.

Calculators will be permitted except programmable calculators.

Students are to answer ALL (6) questions

Mark allocations are indicated adjacent to each question.

This question paper may not be retained by the candidates and must be returned with the scripts.

All drawings must be returned with the scripts.

GENERAL INSTRUCTIONS

1. All queries, assumptions and notes are to be recorded in query sheets.
2. Where information is not provided or where the drawings are silent, you are to make reasonable assumptions.
3. No dimensions check and squaring of dimensions are required.
4. No drawing register is required.
5. A measuring list is required
6. All dimensions must be referenced
7. The questions are unrelated
QUESTION 1 (PRELIMINARIES)

Alternative A provides for the Adjustment of Preliminaries in accordance with 3 categories viz. (F) Fixed, (V) Value and (T) Time in the Preliminaries section of the tender / contract document. Explain each term in the context of the tender document. (6)

QUESTION 2 (PRELIMINARIES)

Options A, B and C are provided for Temporary Services such as Water and Electricity in a tender document. Choose one (1) such temporary service and explain each option in accordance with the Preliminaries document. (9)

QUESTION 3 (WATERPROOFING)

Measure on dimension paper with full descriptions the screeds or lightweight concrete to each of the following flat roof surfaces. Show all sidecasts and references. (20)

Marking criteria:

a) Roof to falls (Refer to Drawing A) (4 marks)
b) Roof to crossfalls (Refer to Drawing B) (5 marks)
c) Roof to falls & crossfalls (Refer to Drawing C) (11 marks)

QUESTION 4 (ALTERATIONS)

Refer to Drawing No: 2013/11-ALTERATIONS – PROPOSED CONVERSION OF OUTBUILDING TO DESPATCH AREA

Measure the Alterations work including new brickwork, foundations and plaster from the drawing. Refer to the notes for all relevant details. The existing floor finishes must be removed. Do not measure the new windows, doors, frames, paintwork and tiling.

Marking criteria:

a. Measuring list (5)
b. Detailed descriptions & sidecasts (37)
c. Detailed dimensions (28)
d. Overall presentation (10) (80)
QUESTION 5 (PLUMBING & DRAINAGE)

Drawing No: 2013-11 refers.

Prepare a pipe & manhole schedule from the information provided and measure the Stormwater Drainage complete.

Marking criteria:

a. Schedule (15)

b. Taking off of piping, fittings & manholes (50)

c. Overall presentation (5) (70)

QUESTION 6 (DEMOLITIONS)

Question 6.1

Name the relevant items that must be included in a detailed description for the demolition of a complete building item in a bill of quantities. (7 marks)

Question 6.2

You are tasked as the quantity surveyor to measure the demolitions on a project. List the items you would take to site to record all items for measurement. (4 marks)

Question 6.3

Compile a measuring list for measuring Demolitions (4 marks) (15)