Course: Design Appraisal And Measurement 2A
Code: ENPD2DA H1
Duration: 4 Hours
Total Marks: 100
Internal Examiner: MR E Zulu
External Examiner: Dr N Harinarain

Instructions and Notes

1. A clean copy of the 7th Edition of the Standard System of Measuring Building Work may be brought to the exam room.
2. Carefully study all drawings and documents before attempting any question.
3. You may make any reasonable assumption regarding any missing details or ambiguous items.
4. Specifications prescribed in the questions override those provided on the drawing were there may be a conflict.
5. Answer all questions.
QUESTION 1  
Measure and bill for the substructure starting with site clearance up to and including the ground floor slab. Block work (400mm long x 150mm thick x 200mm deep) to be reinforced every second course in the substructure. The depth of the foundation trenches is 800mm and the width is 450mm.

QUESTION 2  
Measure and bill for windows, lintels, sills, finishes to head, sills and reveals and all their associated items and make adjustments for the openings to walls, plaster, painting and wall tiles only (brick walls and all wall finishes and associated items affected by window openings) relative to the quantities given below. Ignore doors and their associated items and adjustments.

Notes:
- Brick reinforcement is required every 3rd course in the superstructure
- All lintels will be reinforced pre-cast concrete 200mm high with 400mm bearing at each end unless not applicable
- All window sills to be plastered and painted unless the sills are in a region with wall tiles
- All doors except for door 2 have a coat and hat hook, three lever mortice lockset and a 38mm rubber stop
- All rooms have timber skirting
- The Bathroom and Ensuite have ‘Johnson’ glazed wall tiles for the full height of the wall
- All other room are plastered and painted with PVA paint
- External walls are plastered and painted with external quality PVA paint

Make adjustments relative to the relevant items only in respect of gross quantities given below:

- 150mm concrete block walls in superstructure 434.32 m²
  - 400mm long x 150mm thick x 200mm deep block size
- 150mm wide brick reinforcement built in horizontally 277.12 m
- Cement plaster internally 241.55 m²
- Cement plaster externally 178.64 m²
- Painting in PVA internally 186.30 m²
- Painting in PVA externally 168.21 m²
- ‘Johnson’ glazed wall tiles 87.65 m²
- 375Mu damp proof course on walls 152.64 m²
- 19x69mm wot meranti skirting 152.58 m
- Varnish to timber skirting’s 152.58 m
- 20mm cement screed 131.92 m²
- 27mm cement screed 210.84 m²
- Polypropylene needlepunch carpeting 23.75 m²
- 300x300x10mm ceramic floor tiles 177.60 m²