**P720/2**

**BUILDING DRAWING**

**Paper 2**

**Jul/Aug 2016**

**3 Hours**



**MUKONO EXAMINATIONS COUNCIL**

**Uganda Advanced Certificate of Education**

**BUILDING DRAWING**

Paper 2

**3 Hours**

**INSTRUCTIONS TO CANDIDATES**

* *This question paper consists of* ***two*** *section* ***1*** *and* ***II***
* *Answer* ***all*** *the questions*
* *Use both sides of the drawing paper*
* *Where dimensions not given, use suitable dimensions.*
* *Accuracy and good draughtmanship are essential.*

Figure 1 below shows a residential building with step a gabled roof covered with iron sheet.

**FIGURE 1**

W1

3500

3500

3500

3000

4810

2500

1000

1000

1000

4000

1800

D4

D1

W1

W1

W2

W2

W2

W1

W1

D3

D3

D3

W1

W3

D3

D3

**P**

W2

Kitchen

D2

DINNING

SITTING ROOM

**GARAGE**

BED ROOM 1

BED ROOM2

D3

**A**

**FIGURE 1**

**A**

**Specifications**

**FIGURE 1**

* **Foundation:** 690 x 230mm concrete strip at a depth of 1200mm from the ground

level.

* **Floors:** 25mm of cement and sand screed on 100mm of site concrete on 300mm

of hard core on well completed marrum.

* **Walls:** All walls are 230thick. Height from floor to the beam is 3000mm.
* **Roof:** corrugated iron sheets double pitched at 30°

**Windows:** W1 = 1200mm x 1200mm

W2 = 600 x 600

W3 = 600 x 1500 metallic louvers

**Doors:** D1 = 1500 x 2100 double swing

D2 = 900 x 2100 metallic

D3 = 900 x 2100 Framed, ledged and braced doors.

D4 = 2600 x 2100 metallic

**SECTION 1**

1. Study the plan carefully and draw a proportional free hand pictorial view of the

building with corner **P** in the foreground. ***(25marks)***

**SECTION II**

1. To a scale of 1:100, draw
2. The ground plan showing all symbols of the doors, windows and sanitary fittings.

***(15marks)***

1. A cross section through **A - A** and name all parts from the foundation to the roof.

***(22marks)***

1. Project the front elevation.  ***(15marks)***
2. At the bottom right hand corner of your paper, print your name, random and

personal numbers, Date, Scales used and paper code. ***(03marks)***

***End -***