P720/2

BUILDING DRAWING

PAPER 2

AUGUST 2016

3 HOURS

RESOURCE MOCK EXAMINATIONS, 2016

UGANDA ADVANCED CERTIFICATE OF EDUCATION

**BUILDING DRAWING**

**PAPER 2**

3 HOURS

**INSTRUCTIONS TO CANDIDATES**

* *This question paper consists of* ***five*** *questions. Answer all questions.*
* *All dimensions are in millimeters unless otherwise stated.*
* *Where dimensions are not given, use your discretion to determine suitable dimensions.*
* *Neatness is a must.*
* *A sheet of drawing paper size A2 is provided, use both sides of paper if need be.*

**SPECIFICATIONS:**

**Walls:**  All walls are thick, high built in English bond.

**Roof:** Pitch covered with corrugated iron sheets on purlins on

rafters with struts on , tie beam

on wall plate, with ceiling joints finished with

fascia/barge board.

**Foundation:** concrete strip foundation at a depth of below

ground level.

**Floor:**  Finished with sand cement screed on concrete bed on

thick hardcore.

**Windows:** metallic casement with P.V.O.

, louvered metallic, with P.V.O.

metallic casement, with P.V.O.

metallic casement.

**Doors:**  parallel double shutter.

wide, battened, ledged, braced and framed.

five panelled door.

battened, ledged, braced and framed.

**Splash a prone:** Concrete slab

1. The figure shows a line diagram of a proposed plan of a residential house. Using the specifications and the line diagram, draw in good proportion a free hand pictorial sketch of the building with corner in the foreground. (18mks)

2. To scale 1:100 draw:

(a) the ground plan showing all doors and windows in their right positions.

(17mks)

(b) draw the Front Elevation: Scale 1:50. (10mks)

3. Draw a sectional end elevation through to show all the details from foundation to ridge cup. Label the roof, floor and foundation members including the covering material. Scale 1:50. (22mks)

4. To scale 1:10 draw the back elevation of and name its members. (08mks)

5. Set your paper, at the bottom right hand corner of your drawing paper, draw a title block, in it print your name, title of the drawing, scale, index number and date.

(05mks)