

# ***City International School***

## **FIRST TERMINAL EXAMINATION – 2013 - 2014**

**Date : 14/08/2012**

**Marks : 100**

**Std : X**

**Subject : Technical Drawing Applications**

**Time : 3 hrs**

### **General Instructions:**

- All dimensions are in mm.
- Answer to this paper must be written on the paper provided separately.
- This paper consists of 6 questions on 3 pages.
- The intended marks for questions or parts of questions are given in brackets. ( )

**Q. 1** Copy **Figure 1** showing all construction lines clearly. (16)

**Q. 2** Construct a **DIAGONAL SCALE** long enough to measure Up to **4.1m**. (16)  
Given: R.F. = **6:200**. Show the working neatly. Taking the measurement from this scale draw a square of side **1.7m** and inscribe in it four circles of equal radius touching one side and two circles.

**Q. 3** Refer to **Figure 2**. Copy the isometric view. (16)

**Q. 4** Draw the F.V.. T.V. of a hexagonal prism, with its axis perpendicular to the H.P. and parallel to the V.P. One side of base is inclined at  $45^\circ$  to V.P. (16)  
Use 1<sup>st</sup> angle method of projections.  
Given: Side of base = 40mm. Length of the axis = 85mm.

**Q. 5** Refer to **Figure 3**. Draw the oblique view. (16)

**Q. 6** Refer to **Figure 4**. Draw according to the first – angle projection method. (20)  
Front View, Top View and Side View.