

**Engineering Drawing-I**  
**1<sup>st</sup> Exam/Common/ 2655/0551/5405/May,2015**

**Duration: 3hrs**

**M.Marks=75**

**Section – A**

**Q.1.Fill In the blanks:**

**10X2=20**

- A** In second quadrant front view and top view are .....each other.
- B** Half scale is indicated as .....
- C** Sectioning lines are drawn at .....
- D** In first angle projection top view is .....XY line.
- E** Vertical and Horizontal planes intersect each other at ..... angle.
- F** An isometric projection is reduced in the ratio of .....
- G** An object assumed to be behind VP and above HP is in ..... quadrant.
- H** Angle of inclined lettering is ..... degree.
- I** The scale working for three units is ..... scale.
- J** Symbol of Third angle projection is .....

**Note : Attempt any four**

**Section –B**

**10X4=40**

- Q.2.** Draw a diagonal scale to show meters, decimeters and centimeters long enough to measure upto 6 meters when 1 meter is represented by 2.5 centimeters. Indicate on scale 5.43 meters.
- Q.3.** With the help of sketch show following symbolic dimension  
I Radius , II Diameter , III Size Dimension, IV Location Dimension, V Arc
- Q.4.** Draw the following symbols of materials :  
I Lead, II Glass, III Earth , IV Bricks
- Q.5.** A line 55mm long is inclined to 45 degrees to VP and is parallel to HP 30mm above it .Draw its elevation.
- Q.6.** Print HONESTY IS THE BEST POLICY in single stroke vertical capital lettering of ratio 7:4 .
- Q.7.** Draw the convention of I) Centre Line , II) Shoert Break Line , III) Cutting Plane Lines, IV) Hidden Line

**Note : Attempt any two**

**Section –C**

**20X2=40**

- Q.8.** Figure 1 shows the orthographic views of v-block , draw its isometric view . **20**
- Q.9.** Figure 2 shows the pictorial view of an object. Draw its (a) Top view, (b) Front View, (c) Side view. **20**



**Q.10.** Figure 3 shows the pictorial view of SIMPLE BEARING ,. Draw to a suitable scale the following view:

(I) Full sectional Elevation

20

(II) Top Plan

(III) Left Sectional end View

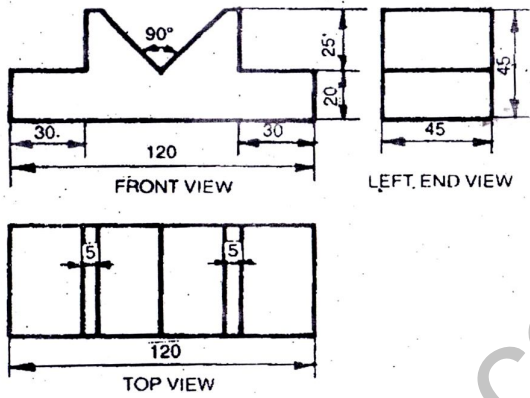


Figure-1

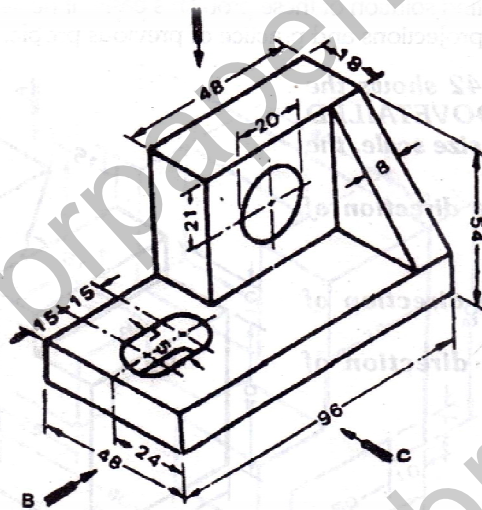


Figure-2

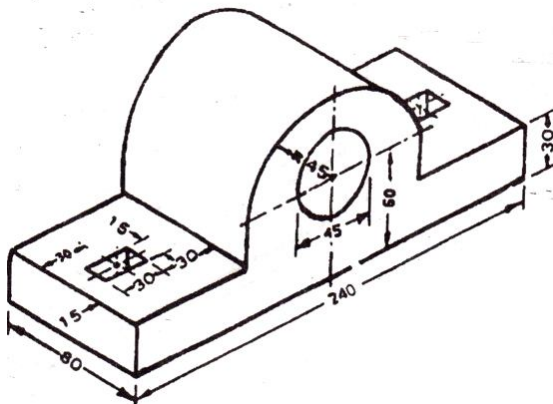


Figure-3