

S. B. Roll. No.....

**ENGINEERING DRAWING-I**  
**1<sup>st</sup> Exam/Elect/Mech./RAC/Prod/ECE/Chemical/0104/Nov'24**  
**(For 2023 Batch Onwards)**

**Duration: 3Hrs.**

**M.Marks:50**

**SECTION-A**

**Q1. Fill in the blanks any ten of the following.**

**10x1=10**

- a. The graphic representation of an object is called \_\_\_\_\_
- b. Size of trimmed drawing paper of designation  $A_4$  is \_\_\_\_\_
- c. Length of an arrowhead is \_\_\_\_\_ times the thickness of it.
- d. CBR is an abbreviation of \_\_\_\_\_
- e. Scale 1: X is a \_\_\_\_\_ scale.
- f. The ratio of length drawn to original length is known as \_\_\_\_\_
- g. In second quadrant, front view and top view \_\_\_\_\_ each other.
- h. Section lines are drawn at an angle of \_\_\_\_\_
- i. Thin sections are shown entirely \_\_\_\_\_
- j. Isometric length is \_\_\_\_\_ percent of the true length.
- k. Isometric view of a circle is \_\_\_\_\_
- l. Isometric view of a square is \_\_\_\_\_

**SECTION-B**

**Attempt any two questions.**

**2x10=20**

- Q2.** a) Write the letters A E I O U in Free Hand taking height of the letter = 10 mm.  
b) Draw conventions for Hidden Line, Thermostat, Two – way Switch, Leather and Wood
- Q3.** Draw elevation and plan of a line 40 mm long which is parallel to H.P. 25 mm above it and inclined at  $30^\circ$  to V.P. The left end of the line is 15 mm in front of V.P.
- Q4.** Draw a scale to show metres and decimetres when 1 metre is represented as 2.5 cm. and long enough to measure upto 5 metres. Find R. F. and indicate on the scale 3 m, 4 dm.

**SECTION-C**

**Q5. Attempt any one question.**

**1x20=20**

- i. Draw isometric view of a cube of 30 mm resting on a cylinder 60 mm dia. and 30 mm height.
- ii. Draw Front, Top and Side View of the object shown in Figure.

