## Sample Question Paper

Q1. Attempt any one
a. A circle of 60 mm diameter rolls on a straight line without slipping. Draw the locus of point $P$ for complete revolution of the circle. The point $P$ is 38 mm above the straight line and towards the right of vertical centre line of the circle
b. Top view and front view of a line $\mathrm{AB}, 70 \mathrm{~mm}$ long measures 55 mm and 60 mm respectively. Draw its projections if end A is 15 mm above HP and 20 mm in front of VP. Determine its inclinations with HP and VP.
Q2. Attempt any one
a. Figure 1 shows pictorial view of an object draw
i) Front view(04)
ii) Top view(04)
iii) Dimension the view (01)


Figure 1
a. A pentagonal pyramid side of base 30 mm and axis 60 mm long stands on an edge of base on HP. The edge makes an angle of $45^{\circ}$ with the VP. Draw its projections if the apex is 40 mm above HP and nearer to the observer.
a. A hexagonal prism with edge of base 30 mm and height 70 mm has its edge of base in the VP and the base surface is inclined at $30^{\circ}$ to VP and perpendicular to HP. Draw its projections
b. Draw Isometric view of figure 2


Figure 2

## Note-

10 to $\mathbf{1 5}$ minutes for uploading the scanned copy of answer paper.

