CAT-2

1. Draw the projections of the following points on the same ground line, keeping the projectors 25 mm apart.
2. Prob.1. Draw the projections of the following points on the same ground line, keeping the projectors 25 mm apart.
3. A, in the H.P. and 20 mm behind the V.P.
4. B, 40 mm above the H.P. and 25 mm in front of the V.P
5. C, in the V.P. and 40 mm above the H.P.
6. D, 25 mm below the H.P. and 25 mm behind the V.P.
7. E, 15 mm above the H.P. and 50 mm behind the V.P.
8. F, 40 mm below the H.P. and 25 mm in front of the V.P.
9. G, in both the H.P. and the V.P.
10. A point P is 15 mm above the H.P. and 20 mm in front of the V.P. Another point Q is 25 mm behind the V.P. and 40 mm below the H.P. Draw projections of P and Q keeping the distance between their projectors equal to 90 mm. Draw the straight lines joining (i) their top views and (ii) their front views.
11. The two points A and B are in the H.P. The point A is 30 mm in front of the V.P., while B is behind the V.P. The distance between their projectors is 75 mm and the line joining their top views makes an angle of 450 with xy. Find the distance of the point B from the V.P.
12. A point P is 20 mm below H.P. and lies in the third quadrant. Its shortest distance from xy is 40 mm. Draw its projections.