

- 12) In a triangle ABC, AC and BC are 75mm each. Angle at C is 120° . Draw parabola passing through A, B and C corners of the triangle.
- 13) A line AB has its end A 20mm above HP and the top view and front view lengths of the line are 60mm and 46mm respectively. The line makes 30° with HP and the VT of the line is 10mm above HP. Draw the projections.
- 14) A regular pentagonal plane of edges 30mm is resting on HP on one of its corners such that, the surface makes an angle of 60° to HP. The edge opposite to this corner makes an angle of 45° with VP. Draw its projections.
- 15) A pentagonal pyramid has one of its base edges in the HP with the triangular face containing that edge is perpendicular to HP and edge on which it is resting is inclined at 30° to VP. Draw its projections. Side of the base = 40 mm, height = 75mm.
- 16) A line AB of 70 mm long, has its end A at 10mm above HP and 15mm in front of VP. Its front view and top view measures 50mm and 60mm respectively. Draw the projections of the line and determine its inclinations and mark traces.
- 17) A cone of 50mm base diameter, and 75mm height is resting on the H.P. on one of its generators with the axis making 45° with V.P. Draw its projections.
