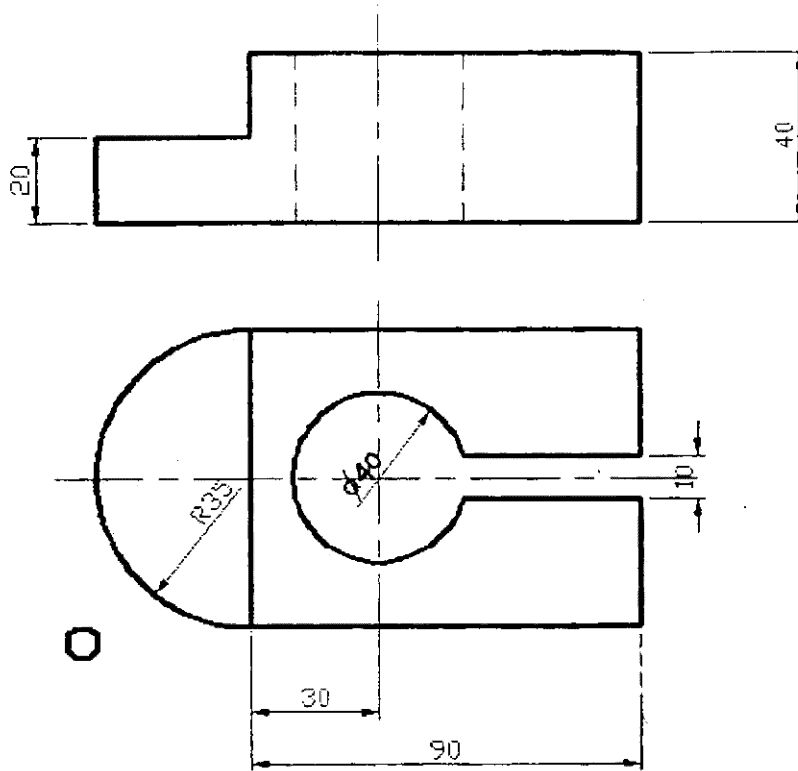


- Q3 A square pyramid of side of base 40 mm and axis 70 mm has one of the triangular faces on the VP. Draw the projections when the front view of the axis is inclined 30° to the HP, keeping the apex nearer to the observer. [15]
- Q4 A right circular cone of base circle diameter 50 mm and axis 60 mm long is resting on its base on HP. It is cut by a section plane which is perpendicular to VP and inclined to HP such that the plane is parallel to the end generator and 10 mm away from it. Draw the front view, the sectional top view and the true shape of section. Also draw the development of the cone after removing the portion containing the apex. [15]
- Q5 a) A hexagonal prism of 35 mm edge of base and 70 mm length of axis is having an edge of base in the HP and the rectangular face containing that edge is inclined 30° to HP and perpendicular to VP. Draw the projections. [6]

[TURN OVER

- b) The orthographic projections of an object is given in the figure below. Draw [9]
the isometric view.



- Q6 a) The distance between the end projectors of a line AB is 40 mm. The end point [7]
A is 15 mm above the HP and 20 mm in front of the VP. The line is inclined
 30° to the HP. Draw the projections if the true length of the line is 80 mm.
Find its inclination with the VP. Take end point B in the 1st quadrant.
- b) Draw the isometric view of the given views. [8]

