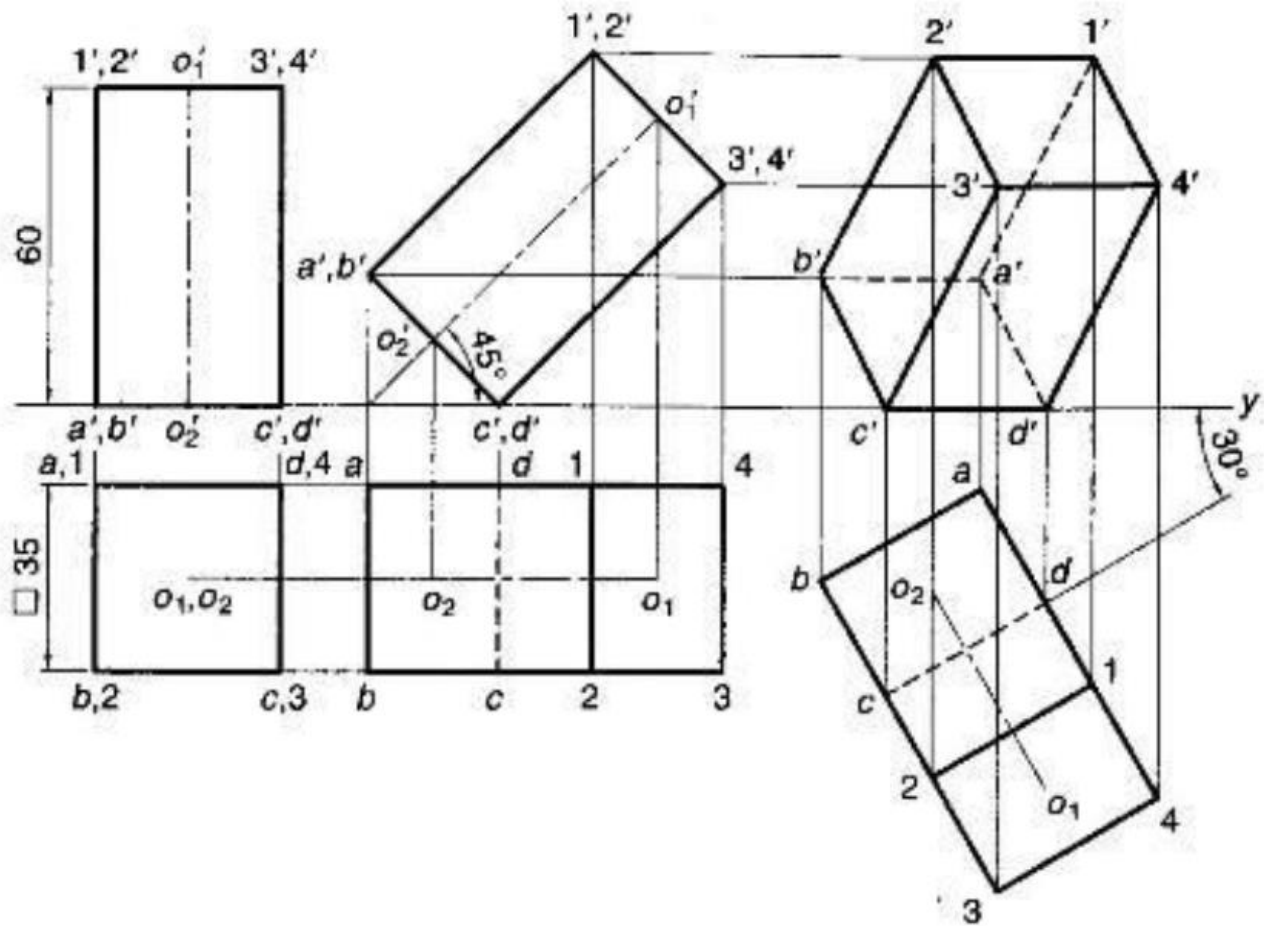**I PROJECTION OF SOLIDS PROBLEMS**

Problem 1:

A Square prism, having a base with a 35mm side and a 60mm long axis, rests on one of its base edges in the HP such that the axis is inclined at 450 to the HP and 450 to the VP. Draw its projections, if the resting edge makes an angle of 300 with VP?

Solution:

Tips &Shortcuts:

1.Axis inclined to HP and Parallel to VP have to solve in two stages

Stage(i) assume axis perpendicular to HP then draw Top and Front view

Stage(ii) Tilt the Front view according to given angle. Then project all the points will get Final Top view

2 Axis inclined to VP and Parallel to HP have to solve in two stages

Stage(i) assume axis perpendicular to VP then draw front and Top view

Stage(ii) Tilt the Top view according to given angle. Then project all the points will get Final Front view