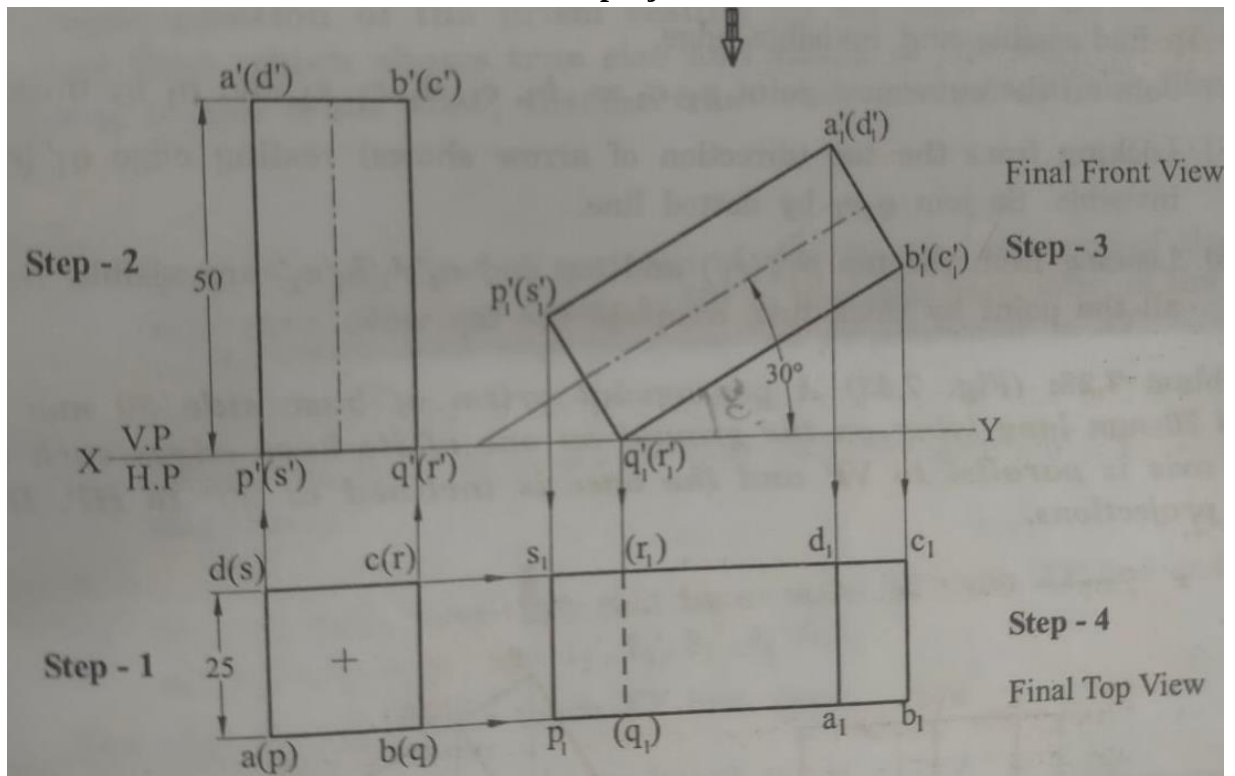




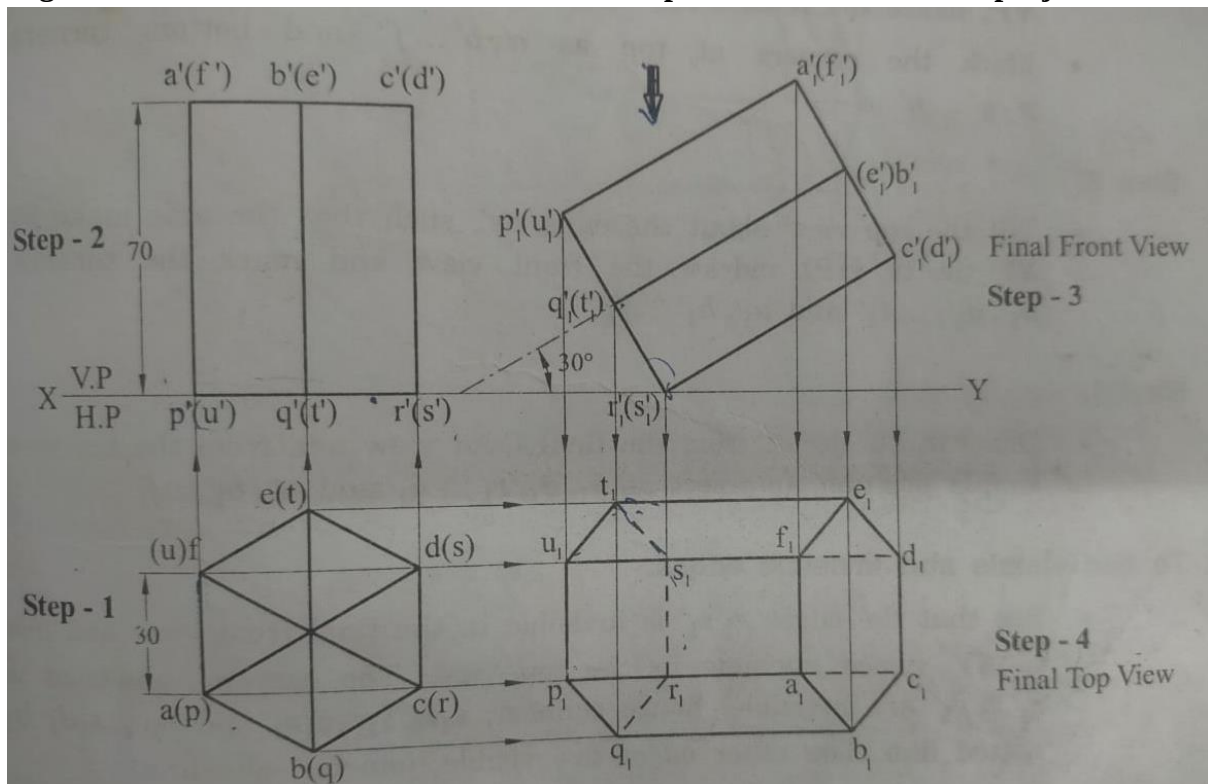
Unit – III

PROJECTION OF SOLIDS

1. Draw Square prism of side 25 mm and axis 50 mm rest on one of its base edges on HP with its axis inclined at 30° to HP. Draw its projections.

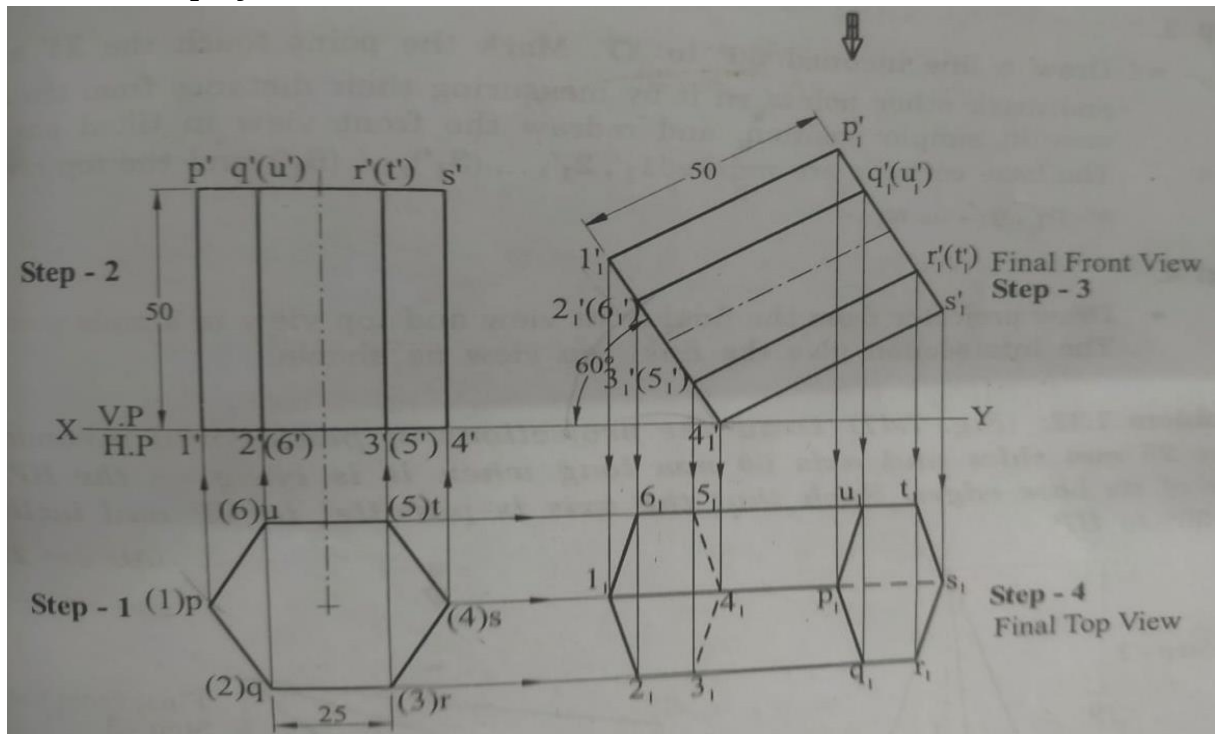


2. A hexagonal prism of base side 30 mm and axis length 70 mm resting on one of its base edges on HP with axis inclined to 30° to HP and parallel to VP. Draw its projections.

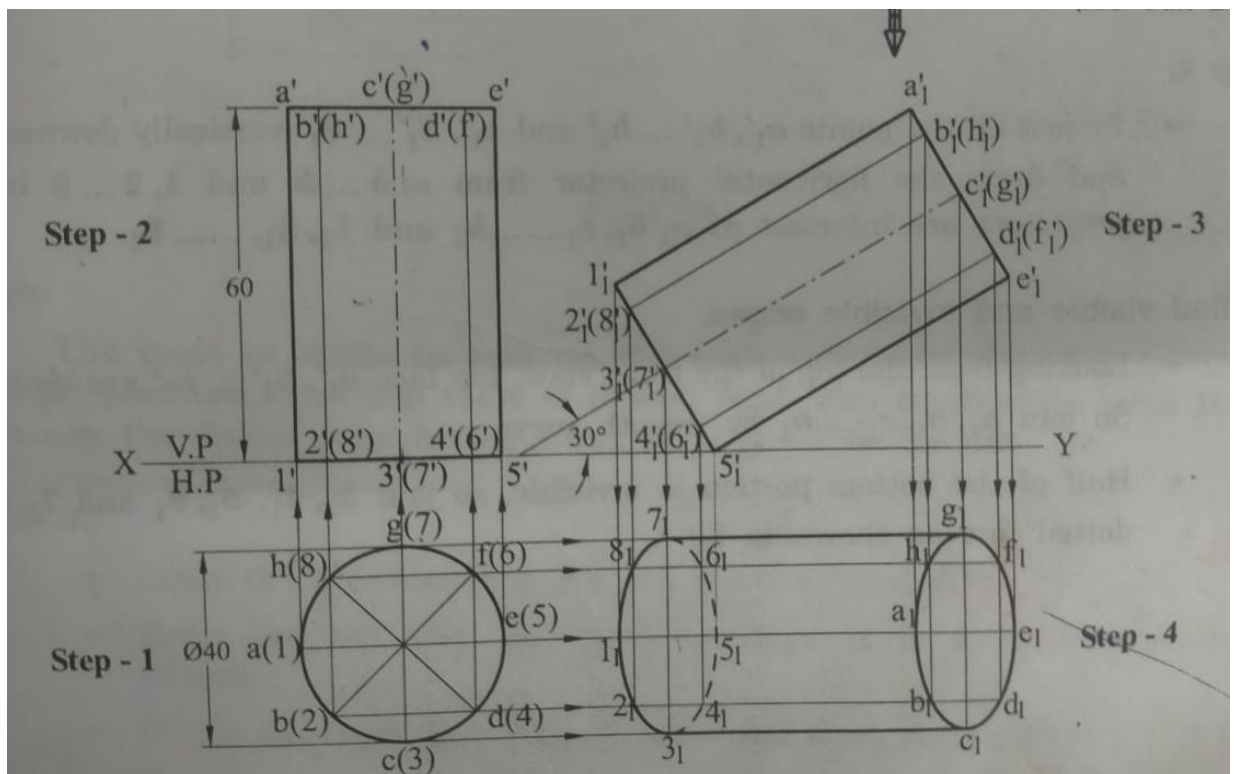




3. A hexagonal prism of base side 25 mm and axis length 50 mm rest with one of its base corners on HP. Such that the base makes an angle of 60° to HP and its axis parallel to VP. Draw its projections.

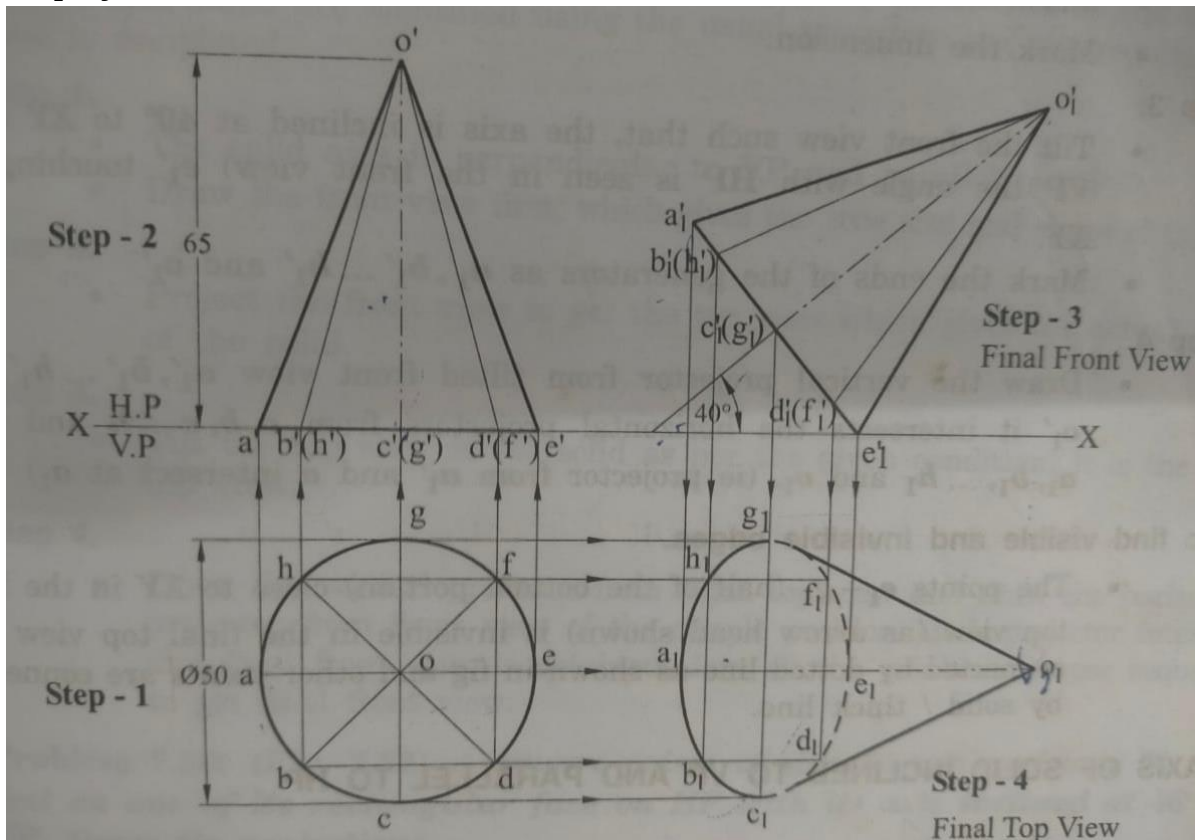


4. Draw the projection of cylinder 40 mm diameter and axis 70 mm long when its rests on the HP on one of its base points. The axis of the cylinder is parallel to VP and inclined at 30° to HP.

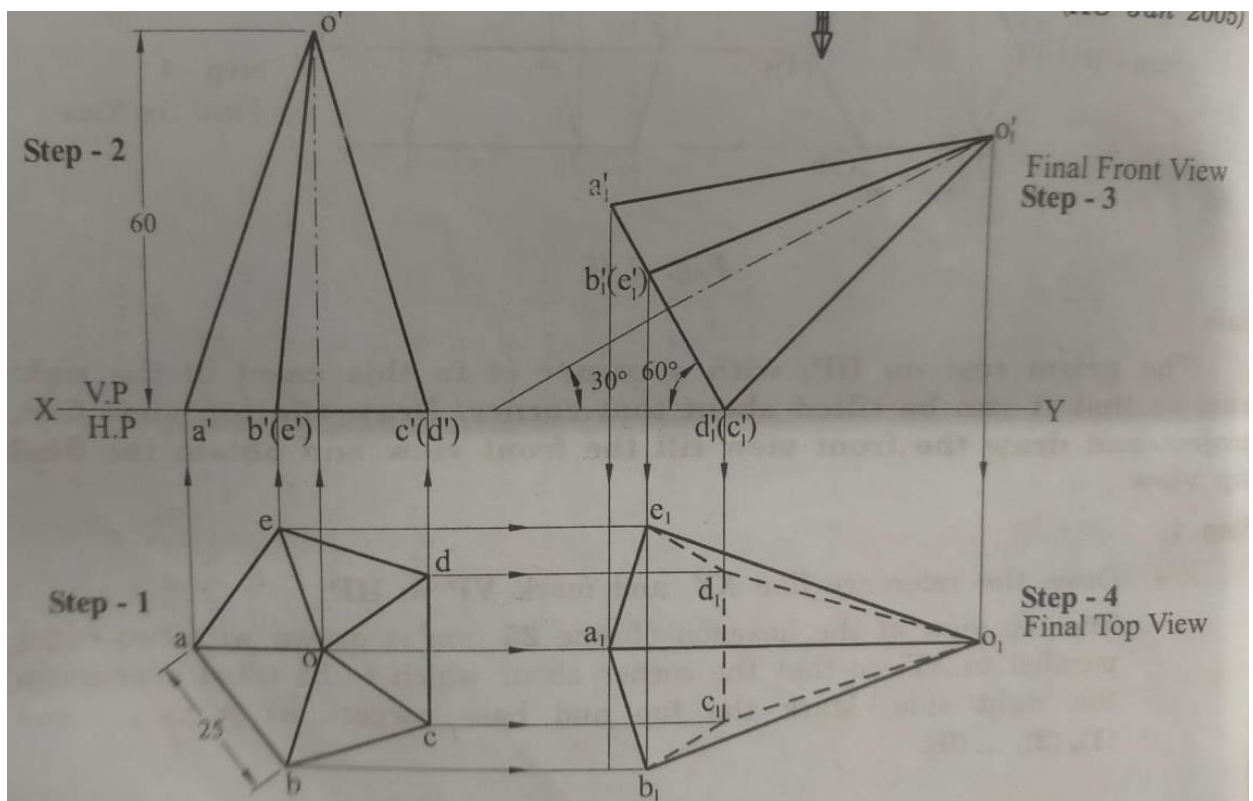




5. A cone of base diameter 50 mm and axis length 65 mm is resting on HP on a point on the circumference of the base with its axis inclined at 40° to HP and parallel to VO. Draw its projections.

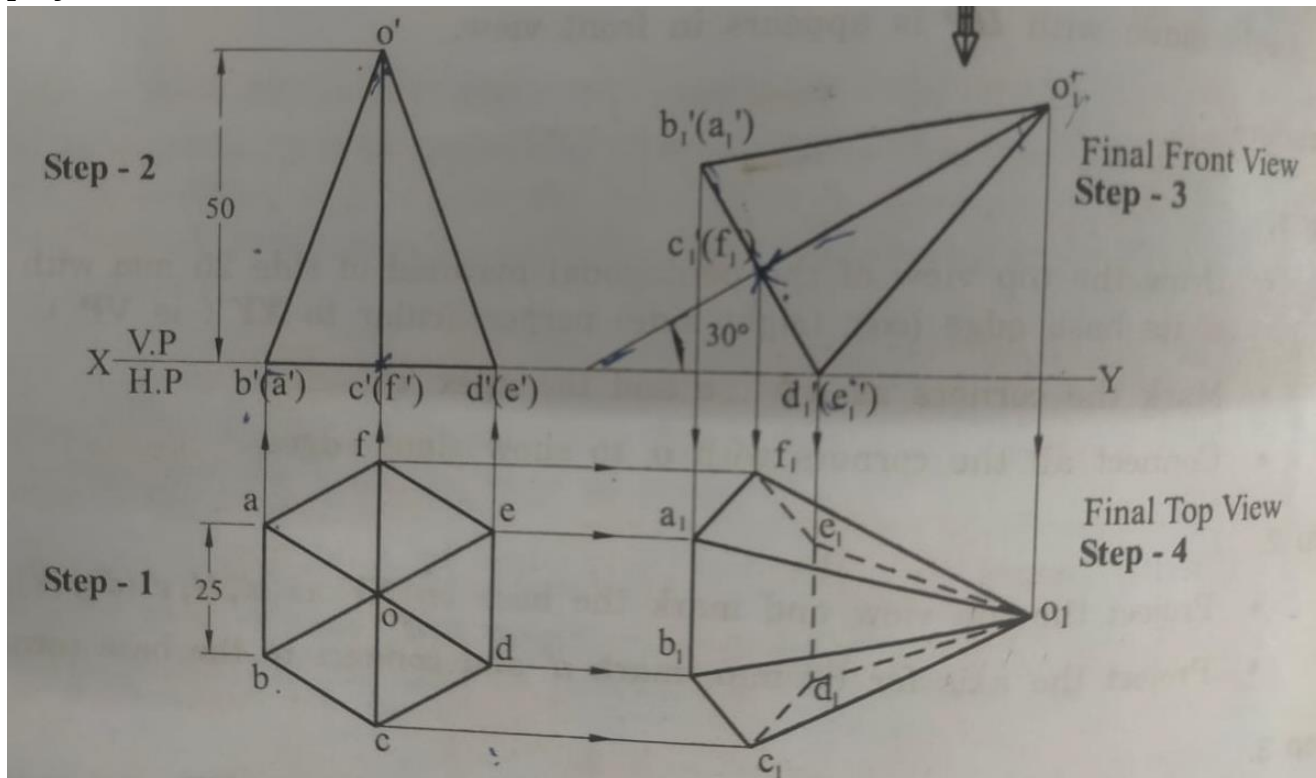


6. Draw the projection of pentagonal pyramid of base side 25 mm and axis 60 mm long when it is lying on the HP on one of its base edges, such that the axis is parallel to VP and inclined at 30° to HP.

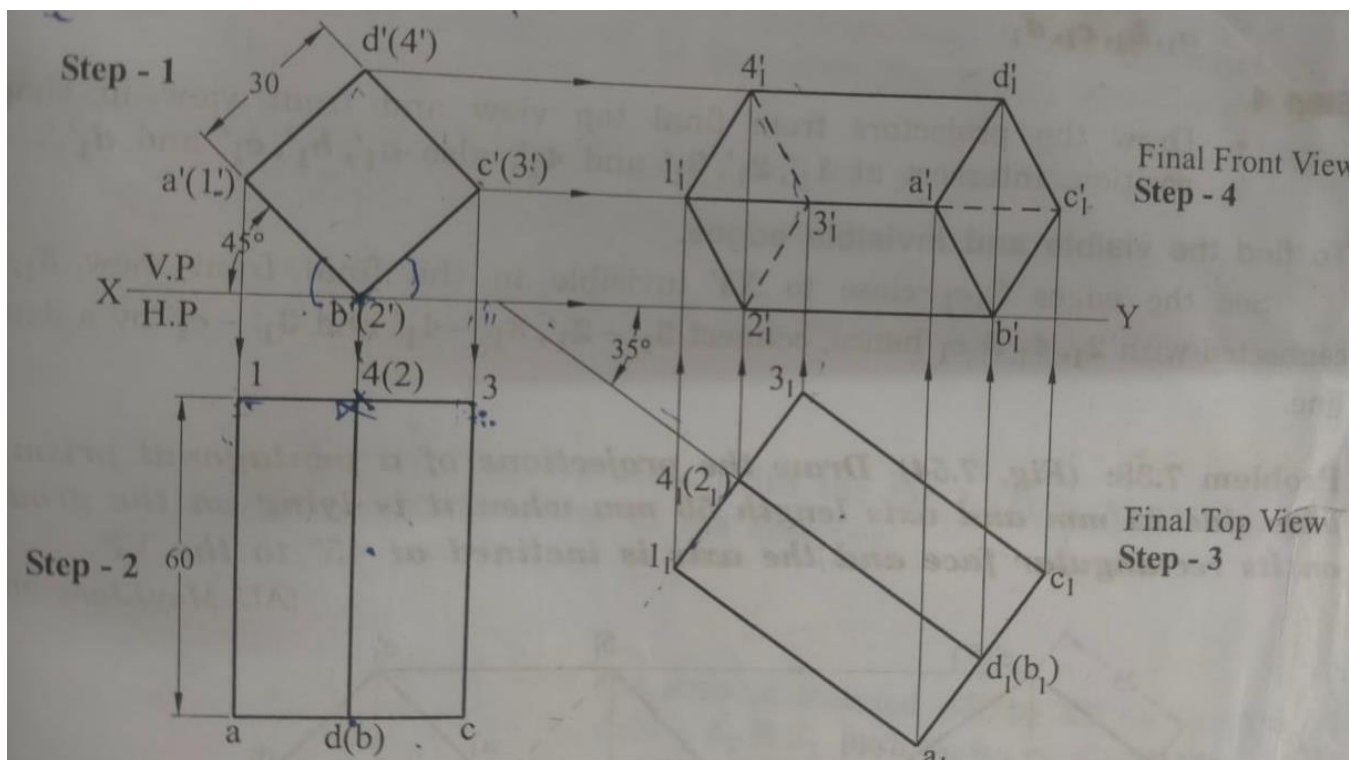




7. A hexagonal pyramid of base edges 25 mm and axis height 50 mm rest on one of its base edges on the HP with its axis is inclined at 30° to HP and parallel to VP. Draw its projections.

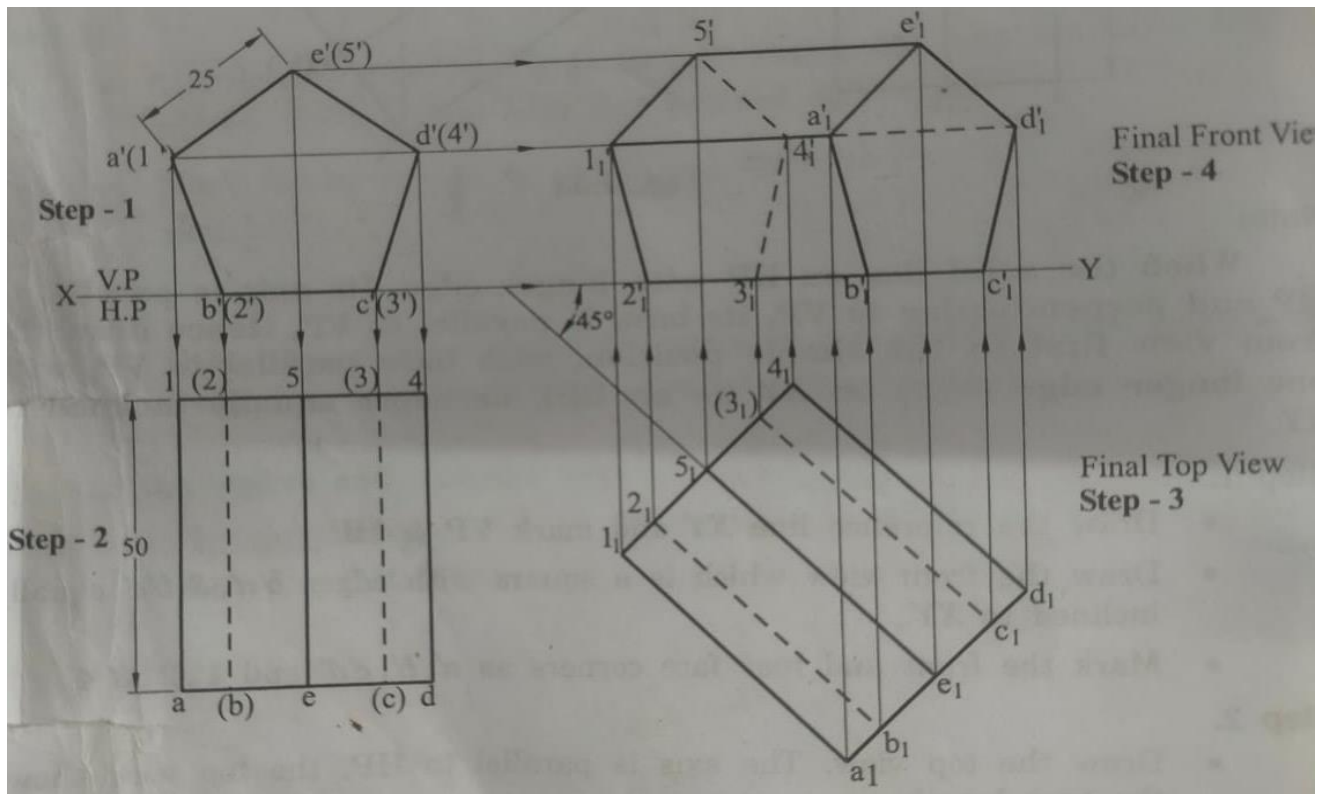


8. A square prism of base side 30 mm and axis length 60 mm lies on the HP on one of its longer edges with its faces equally inclined to the HP. Draw the projections when its axis is inclined at 35° to the VP.

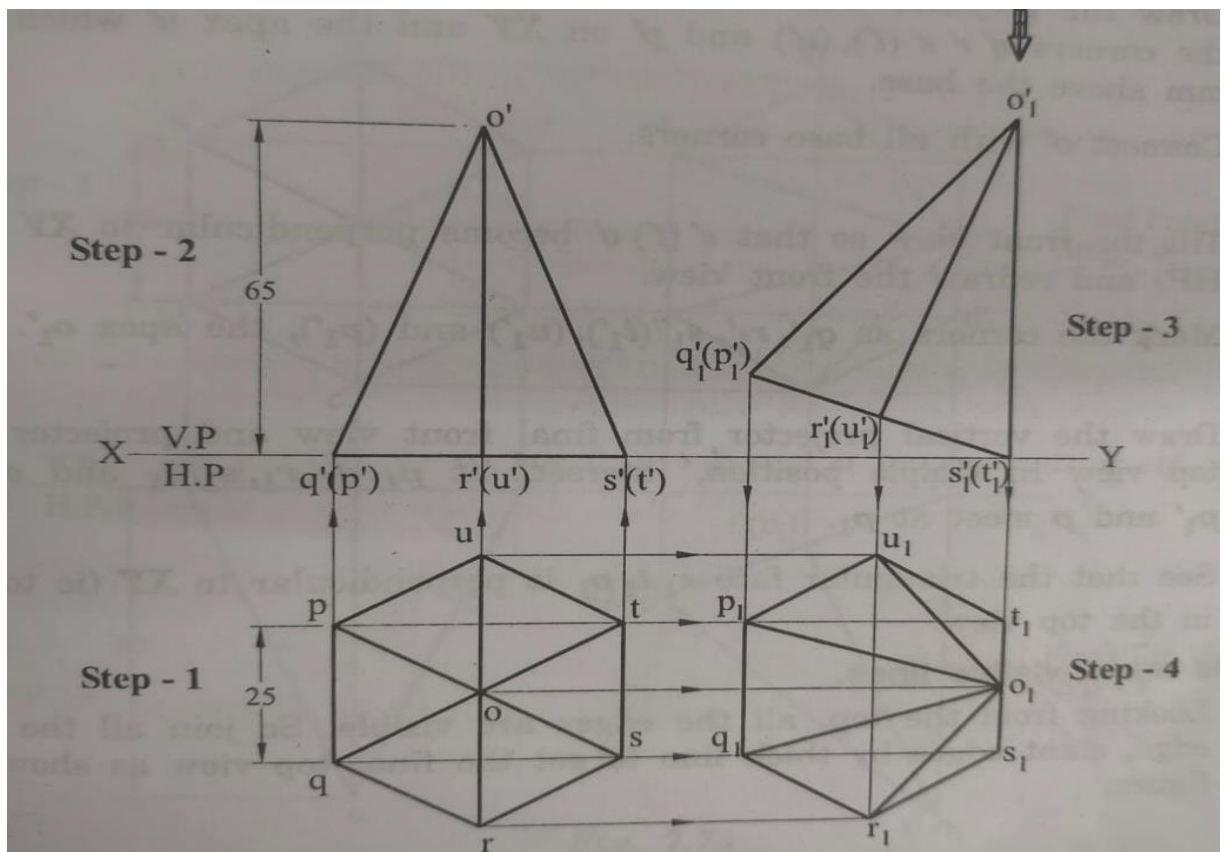




9. Draw the projections of a pentagonal prism of base side 25 mm and axis length 50 mm when its lying on the ground on its rectangular face and the axis is inclined at 45° to VP.

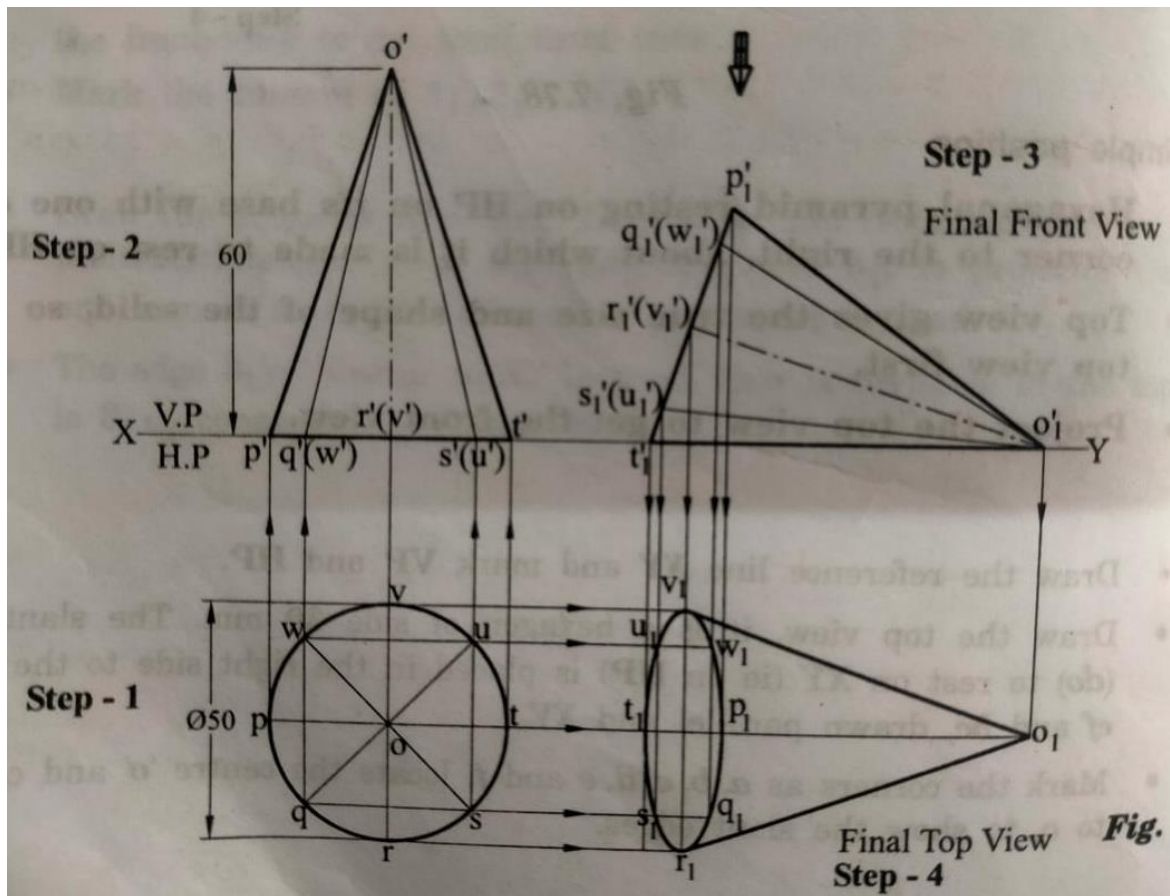


10. Hexagonal pyramid of base side of 25 mm and axis 65 mm rests on the HP on one of its edges such that the triangular face containing the resting edge is perpendicular to both the HP and VP. Draw its projections.

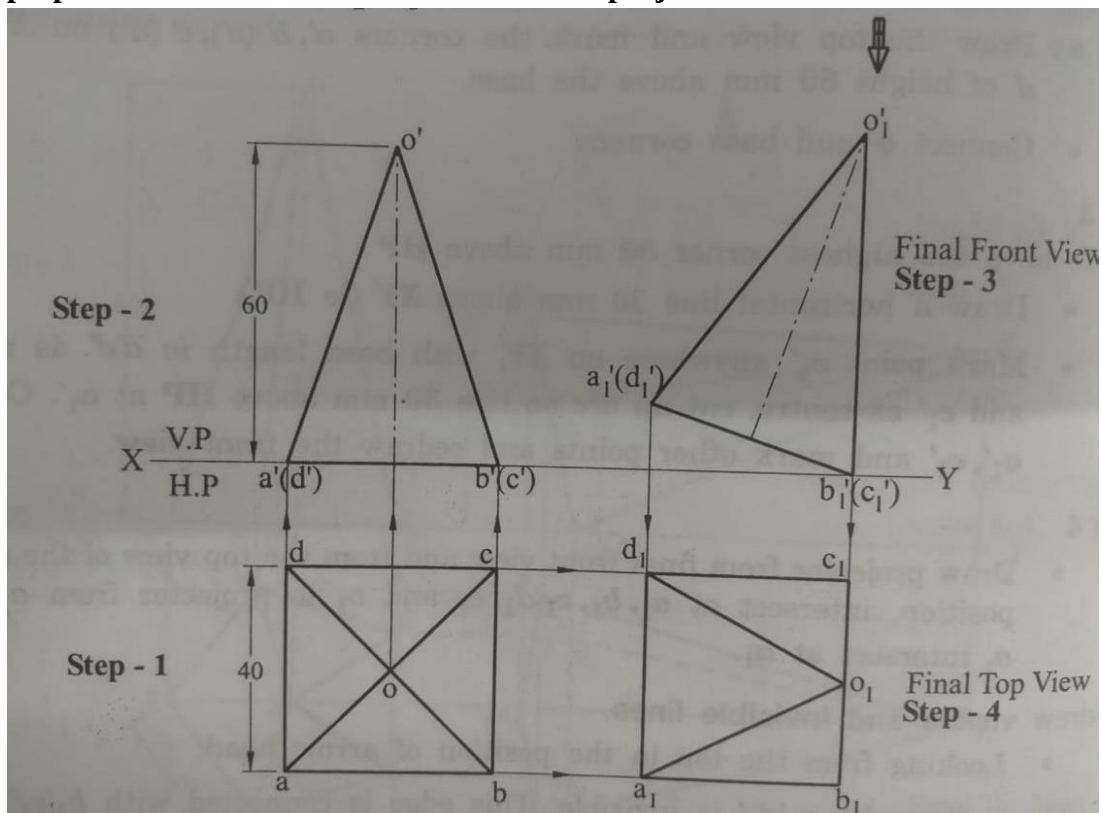




11. Draw the projection of a cone of base diameter 50 mm and axis length 60 mm, when its lies on the ground on one of its generators with the axis parallel to the VP.

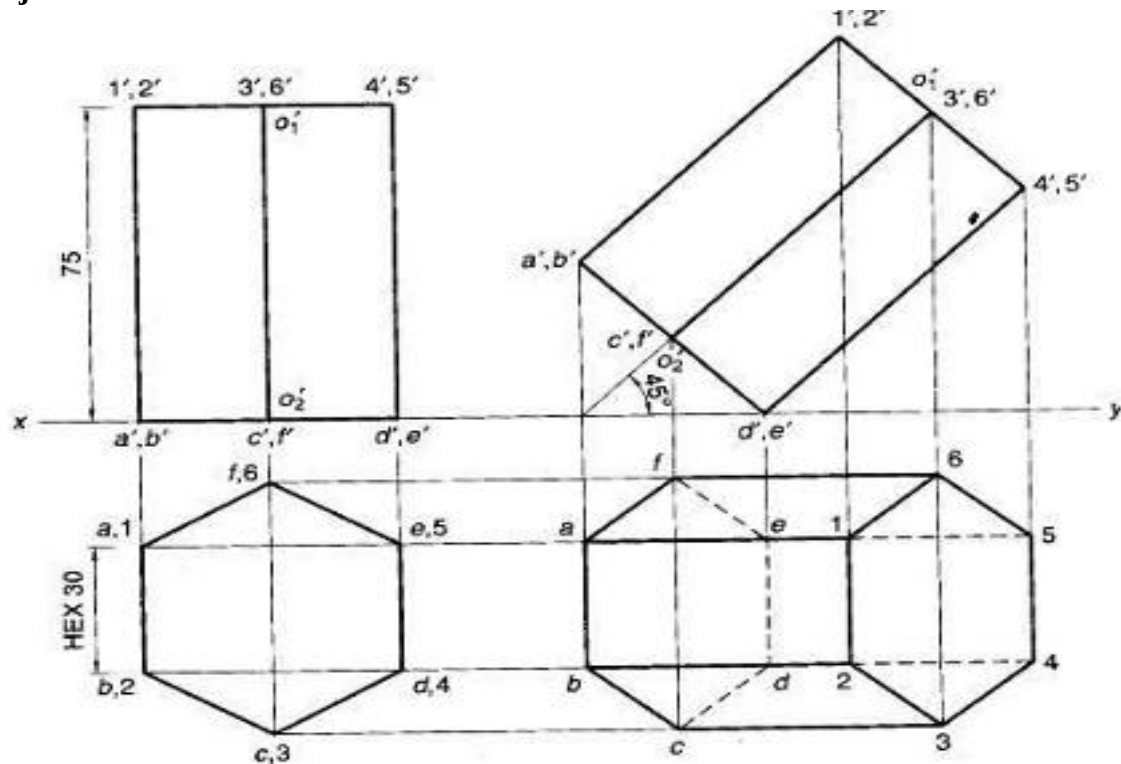


12. A square pyramid of base side 40 mm and axis 60 mm rests on the HP on one of its base edges perpendicular to VP and the triangular faces containing the resting edge is perpendicular to both VP and HP. Draw its projections.





13. A Hexagonal Prism having a base with a 30 mm side and 75 mm long axis, has an edge its base on the HP. Its axis is Parallel to the VP and inclined at 45° to the HP. Draw its projections?



14. An Hexagonal Prism, having a base with a 30 mm side and 65 mm long axis, has an edge its base in the VP Such that the axis is inclined at 30° to the VP and Parallel to the HP. Draw its Projections?

