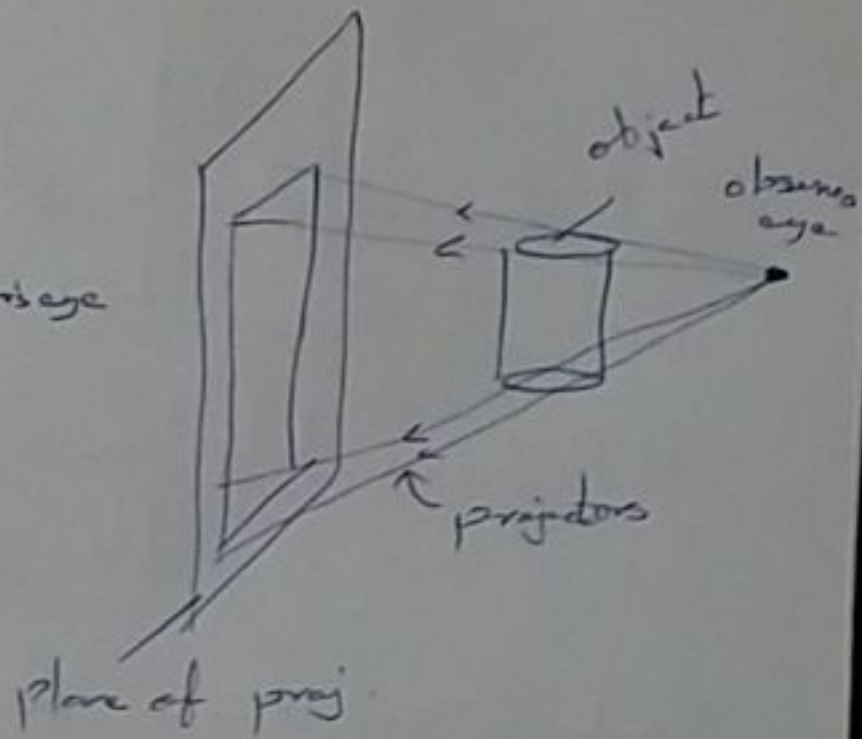
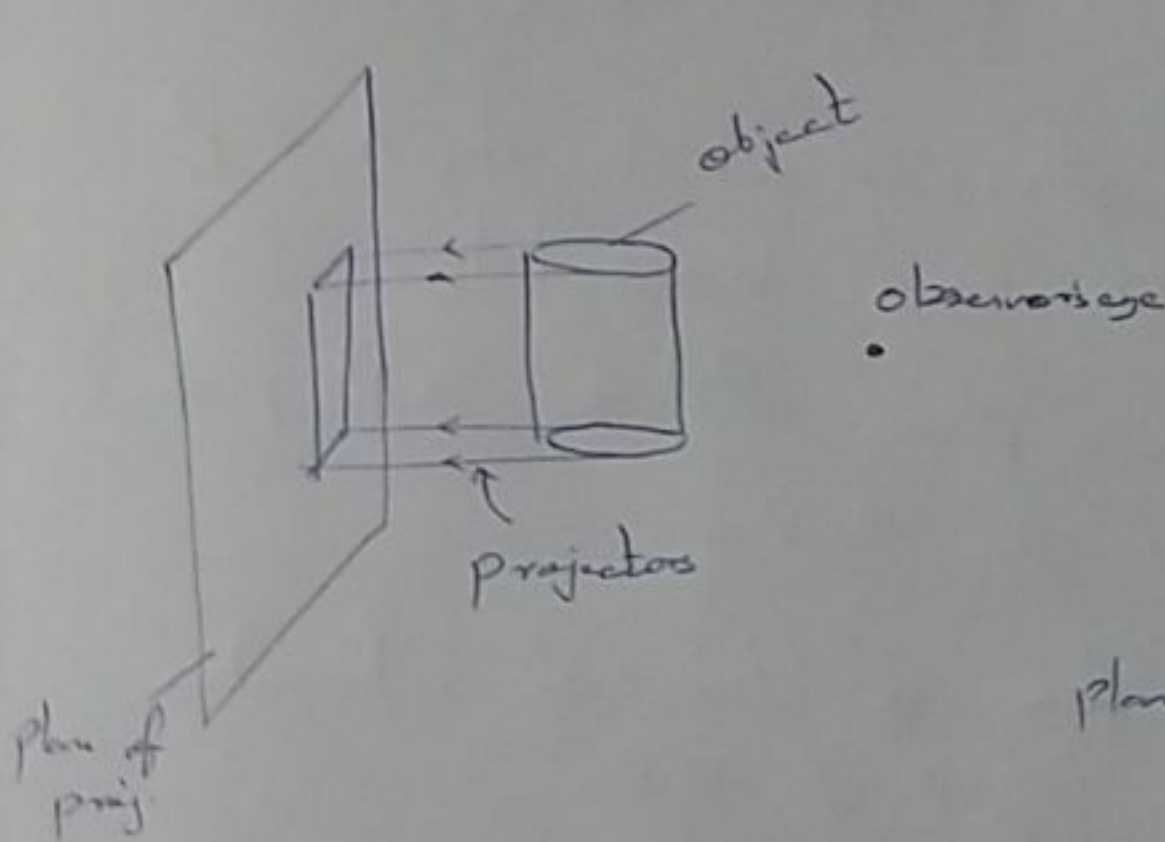


Module - 5
Perspective projection

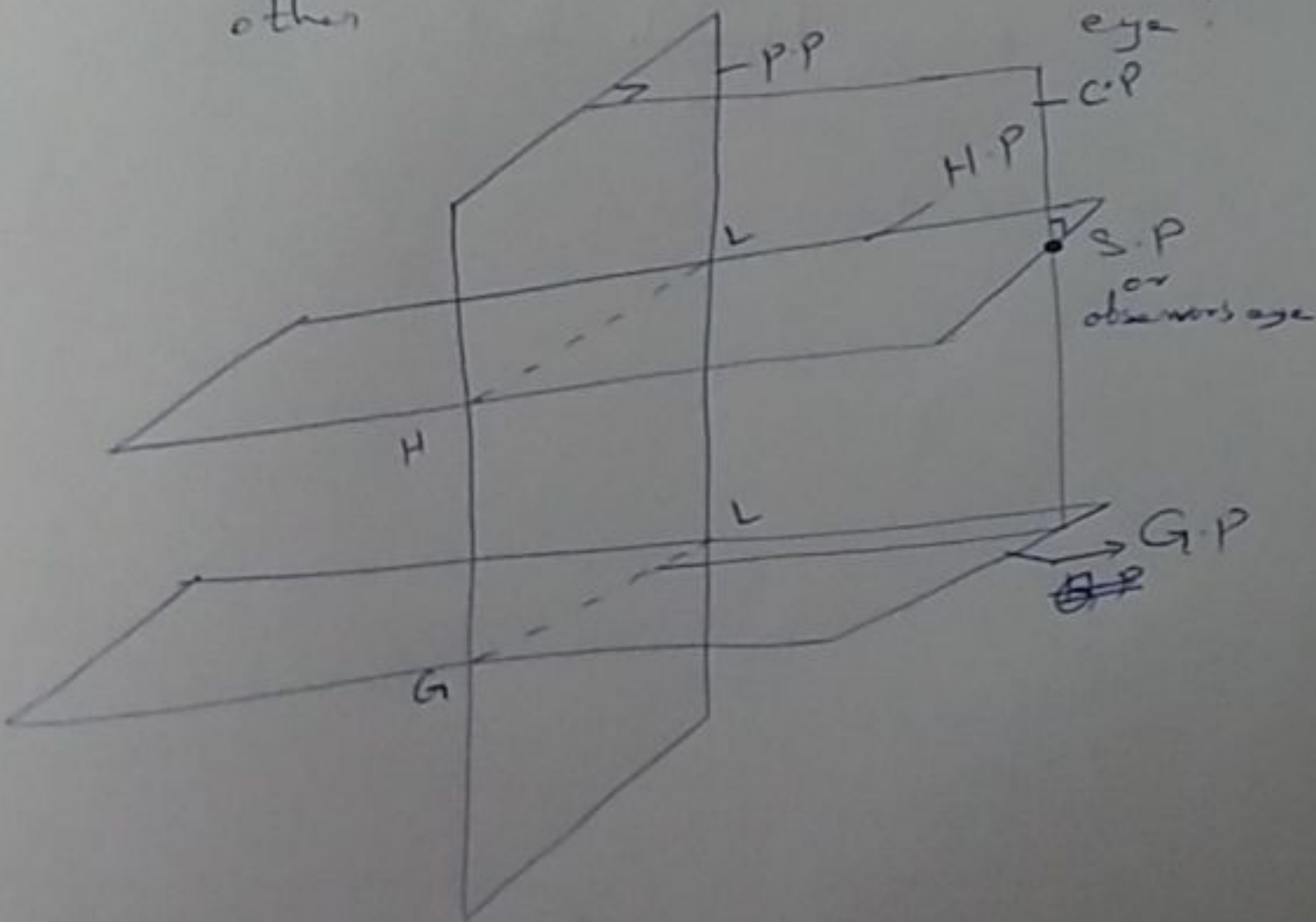


Orthographic projection

projectors \parallel to each other

Convergent projection
 or
 perspective projection

projectors ~~convergent~~
 converge to the human eye.



P.P, picture plane - plane which is vertical. Perspective view or perspective proj. is obtained on P.P.

G.P, Ground plane - plane on which object is placed. It is always horizontal.

H.P, horizontal plane - plane \parallel to G.P passing through S.P.

G.L, Ground line - ~~line~~ line of intersection b/w G.P & P.P.

H.L, horizontal line - line of intersection b/w H.P & P.P.

C.P, Centre plane - plane \perp to G.P & P.P & passing through S.P.

Problem:15.9 A square prism of base edge 30 mm and height 60 mm is resting on a face with the axis perpendicular to PP and the nearest base parallel and 20 mm behind the PP. The station point is 80 mm to the right of the axis of the solid and 50 mm above the ground plane, 25 mm in front of PP. Draw the perspective view of the prism.

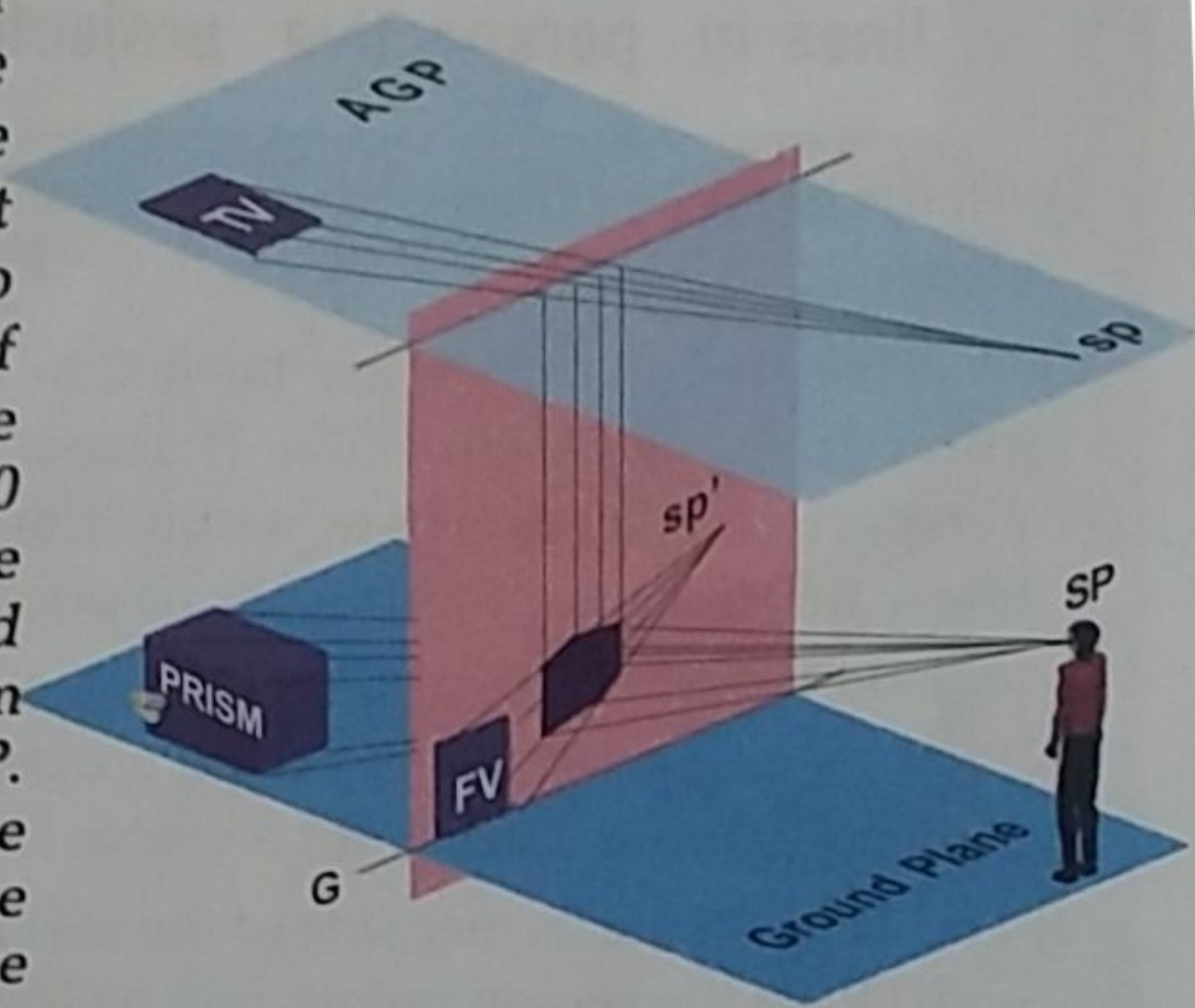


Fig (15.25) Pictorial view of the prism and SP

Solution

