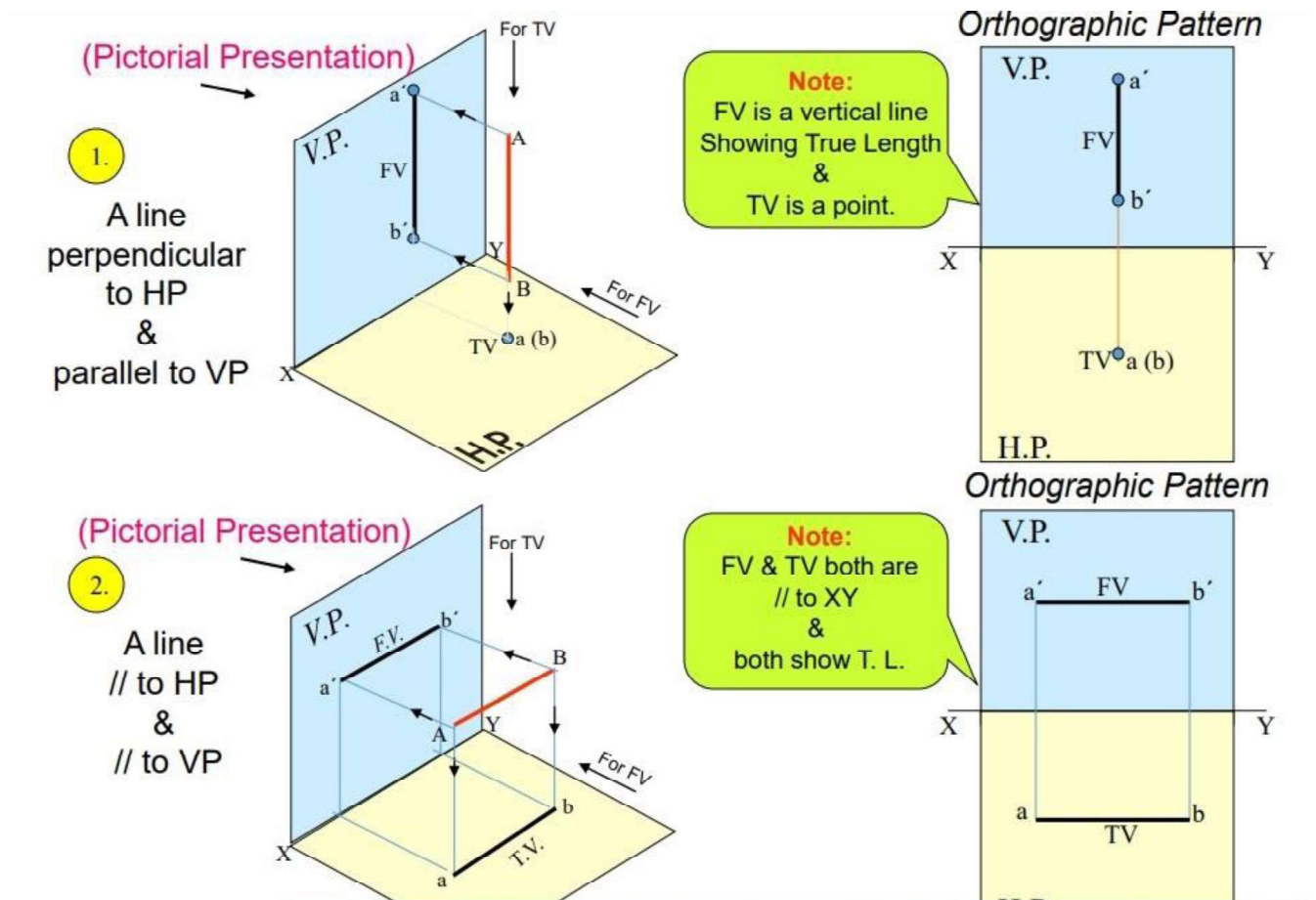


## **Projection of point**

1. A point A 10 mm above the HP and 25 mm front of VP. Draw the projection.
2. A point B 25 mm above the HP and 15 mm front of VP. Draw the projection.
3. A point A in HP and 25 mm front of VP. Draw the projection.
4. A point A 10 mm above the HP and 25 mm front of VP. Draw the projection.
5. A point B 10 mm above the HP and on VP. Draw the projection.
6. A point A 10 mm above the HP and 25 mm front of VP and another point B, 25 mm below the HP and 35 mm behind the VP. Draw the projection and meet the FV and TV.
7. A Point B 10 mm above the HP and 25 mm behind the VP. Draw the Projection.
8. A Point B in HP and 25 mm behind the VP. Draw the Projection.
9. A Point B in HP and on VP. Draw the Projection.
10. A Point B 10 mm below the HP and 25 mm behind the VP. Draw the Projection.
11. A Point B 10 mm below the HP and on VP. Draw the Projection.
12. A Point B 25 mm below the HP and 15 mm behind the VP. Draw the Projection.
13. A Point B 10 in HP and 25 mm behind the VP. Draw the Projection.
14. A Point B 10 mm below the HP and 25 mm front the VP. Draw the Projection.
15. A Point B 20 mm below the HP and 15 mm front the VP. Draw the Projection.
16. A Point B in HP and 25 mm front the VP. Draw the Projection.
17. A Point B in HP and on VP. Draw the Projection.
18. A point A 10 mm above the HP and 25 mm front of VP. Draw the PP (SV) projection.
19. A point A in HP and 25 mm front of VP. Draw the PP (SV) projection.
20. A Point B 10 mm below the HP and 25 mm behind the VP. Draw the PP (SV) Projection.
21. A Point B 10 in HP and 25 mm behind the VP. Draw the PP (SV) Projection.

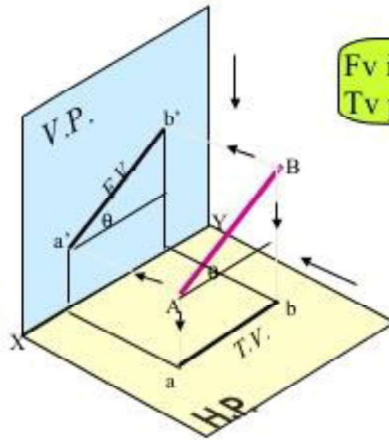
## Projection of line

- 1- Line Parallel to VP and Perpendicular to HP.
- 2 - Line Parallel to both HP and VP.
- 3- Line Parallel to VP and inclined to HP.
- 4 -Line inclined to VP and Parallel to HP.
- 5 -Line inclined to both HP and VP.
- 6 -Line Parallel to HP and Perpendicular to VP.

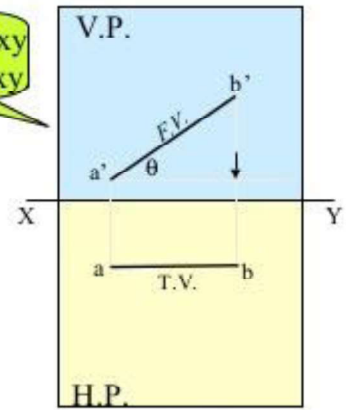


3.

A Line inclined to Hp  
and  
parallel to Vp  
(Pictorial presentation)



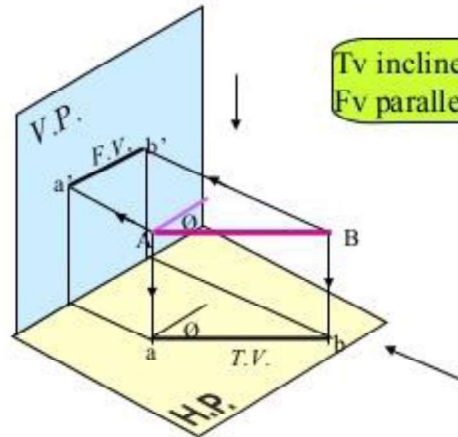
Fv inclined to xy  
Tv parallel to xy



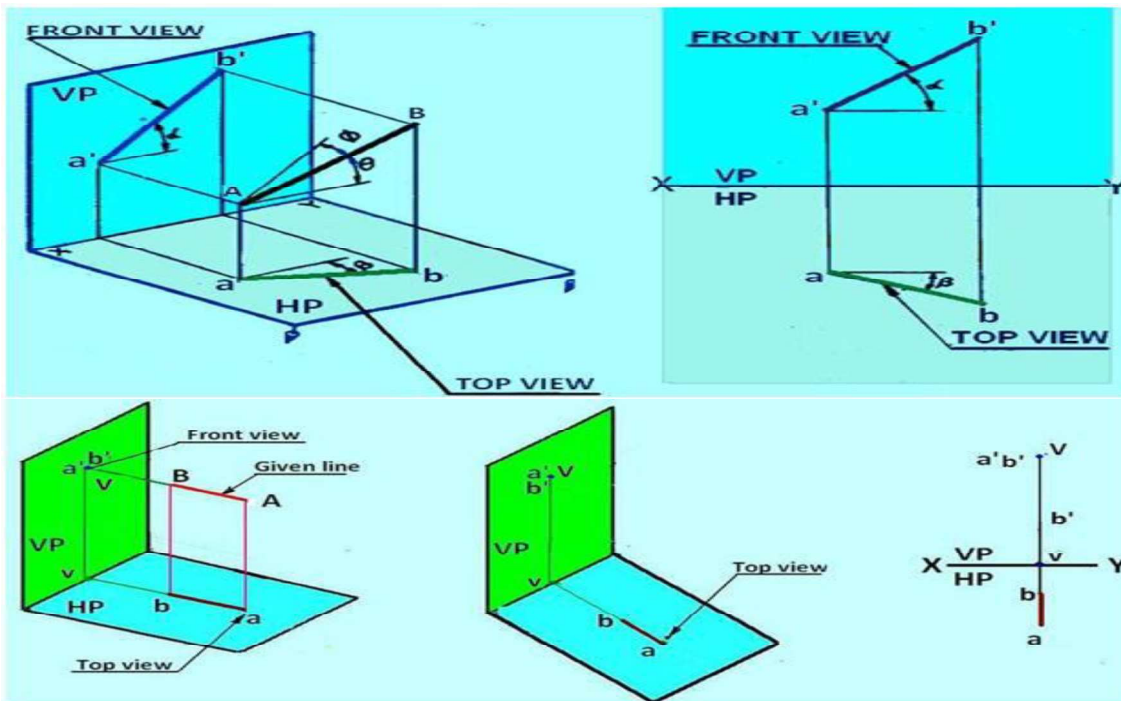
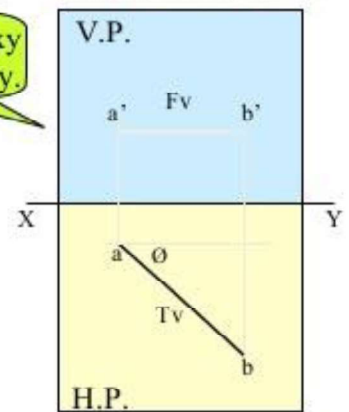
Orthographic Projections

4.

A Line inclined to Vp  
and  
parallel to Hp  
(Pictorial presentation)

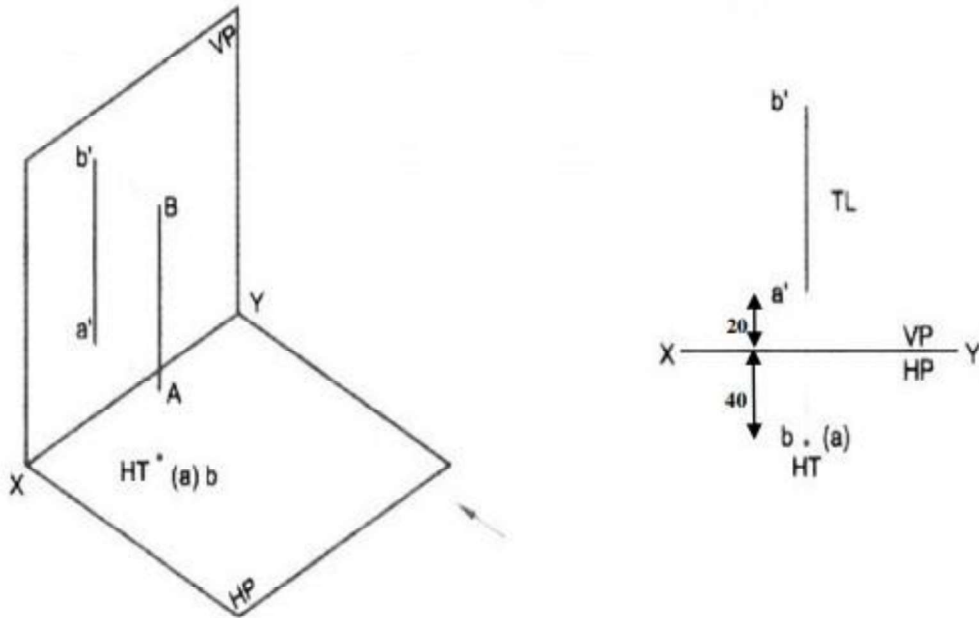


Tv inclined to xy  
Fv parallel to xy.



Q.1. A 60mm long line AB has its end A at a distance of 20mm above the H.P. The line is perpendicular to the H.P and 40mm in front of V.P, draw the projections of the line.

Sol.



Q.2. A 60mm long line AB, has its end A at a distance of 20mm in front of the V.P. the line is perpendicular to V.P and 40mm above H.P, draw the projection of the line.

Sol.

