

Engineering Drawing – UNIT I Topic – PROJECTION OF POINTS-Faculty i/c: C.SENTHILKUMAR,ASP/MECH,



Quadrant system: The picture planes used for obtaining the orthographic projections are called the Principal planes of projection or reference planes or co- ordinate planes of projection.

VP: The plane in front of observer is the vertical plane. (VP) or it is also called a Frontal plane.

Front View (FV): The projection on the VP is called the Front View (FV) or Vertical Projection or front elevation or Elevation.

HP: The plane which is Horizontal and perpendicular to VP is Horizontal Plane.

Top View (TV): The projection on the HP is called the Top View (TV) or Horizontal Projection or Plan.

Note: The planes HP and VP are called Principal Planes. Reference Line: The line of intersection of HP and VP is called reference line, which is denoted by X-Y.

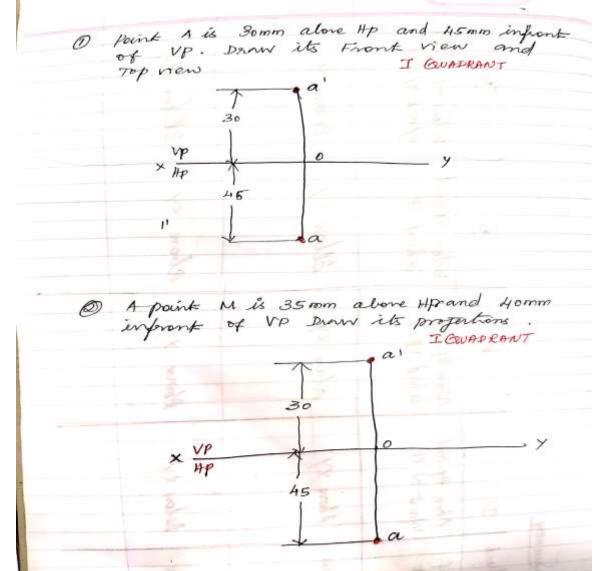




Summary	[≥]	Below HP and whent H VP	Below XY	Blow XY.
	(≡)	Below Apand Behind Up	Bullow XY	above Xy
	[==]	above the and behind VP	KX anagra	Kx anagy
	н	Above Hp and infrant of VP	Above XY	below Ky
	Quedrunk	Position of the faint	front New	Mindel Wiener





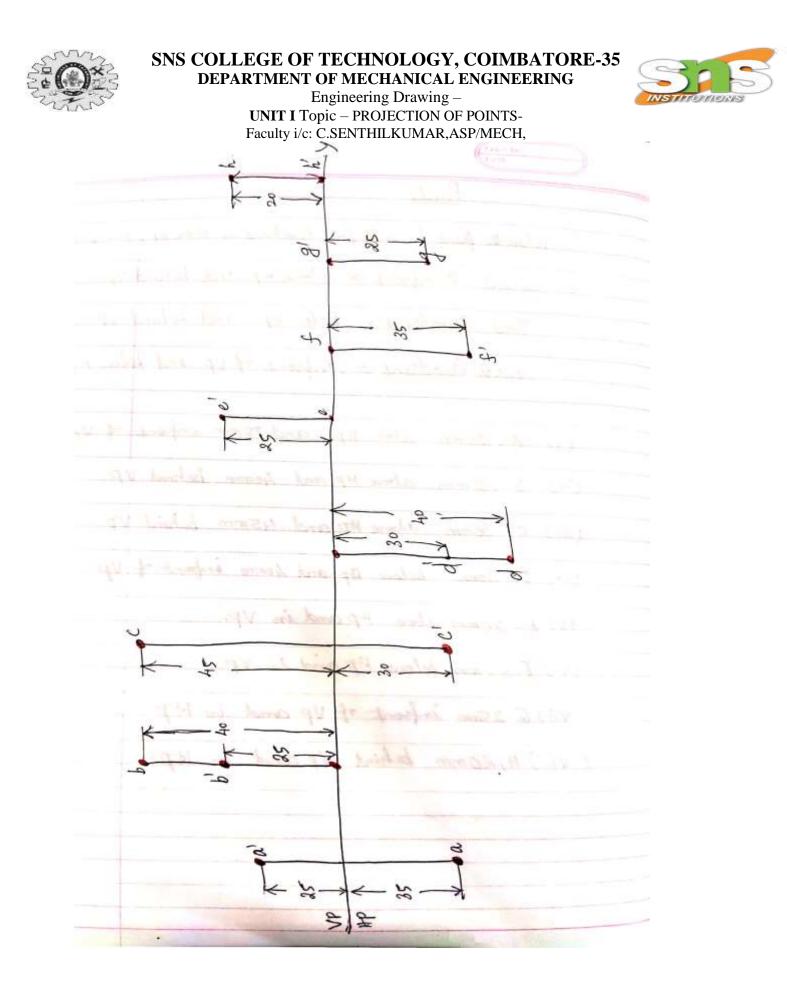




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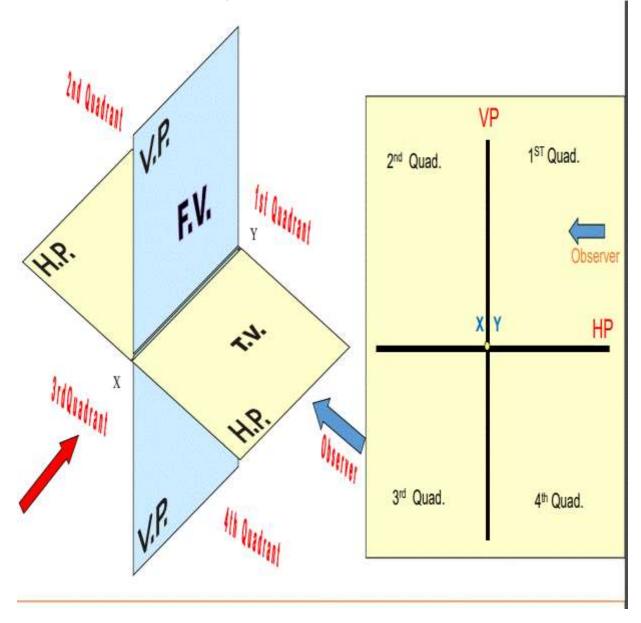


Points When the point lies in the furt Buadrant -> above the, fort of VP. Second Quadrant > above Hp and behind Vp. Third Quadrank -> Below Hp and behind Vp. Fourth Quadrant > Infront of Vp and below Hp. (i) A, 25mm above Hp and 35mm infront of Vp. (ii) B, 25 mm above Hp and 40mm behind VP (iii) C, 30mm above Hp and 45mm behind Vp. (iv) D, 30mm below Ap and 40mm informt of Up. (V) E, 25mm above Hp and in VP. (vi) F.35 mm below Hp and in VP Vii) G. 25mm infront of Vp and in Itp. (Vili) H, 20mm behind Vp and in htp.



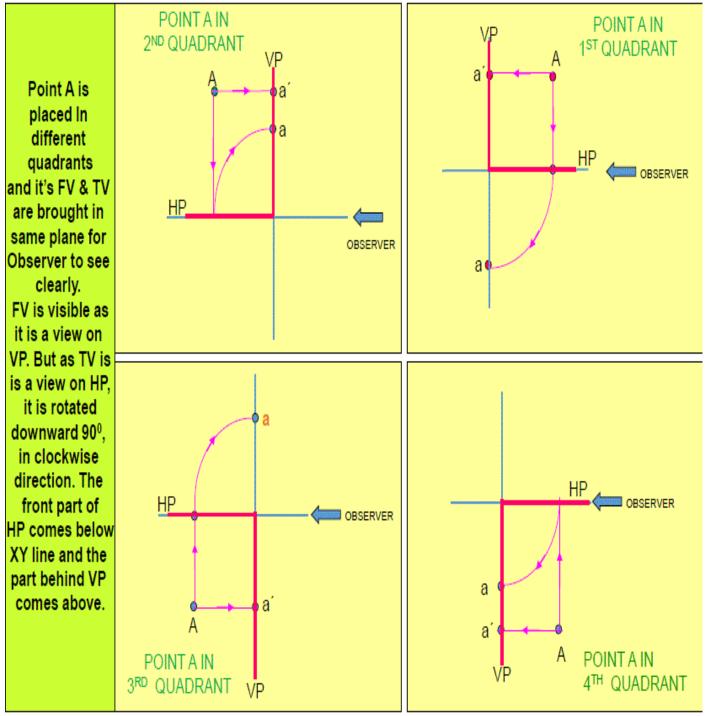














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