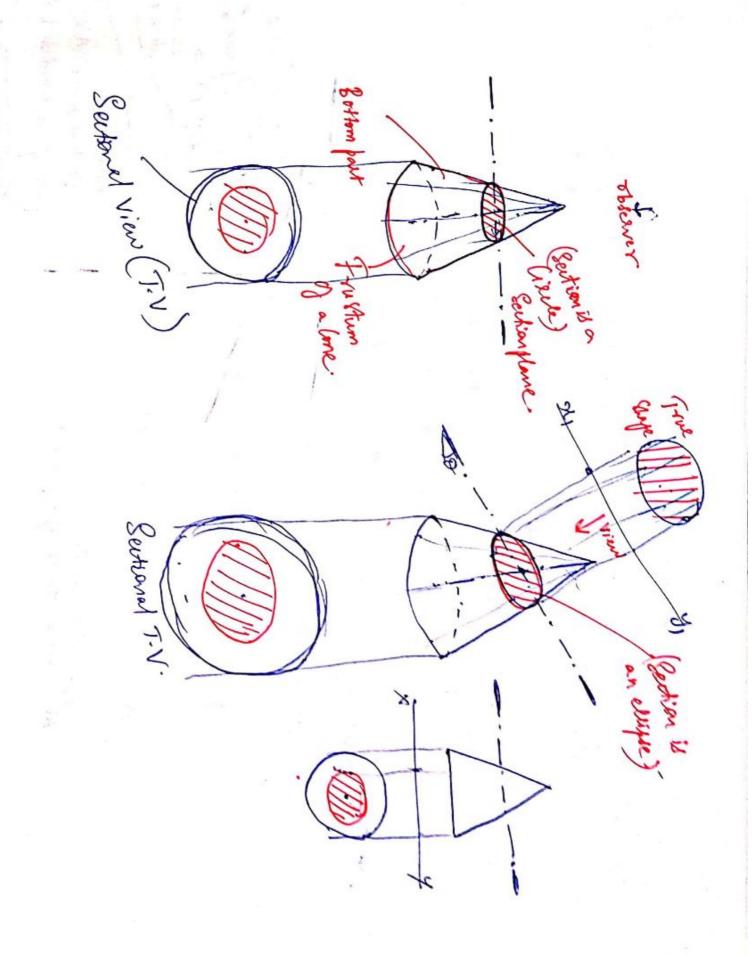
We have seen in projection of solids that hisden lines ideas in pitorial form' Therefore, Sectional views of objects / markine Components it would be difficult to interpret the mape of the object. However, if there are many darked lines in a projection (bt) edges werk shown by dissues lines (----Eq: I. C Engines > Hechanical Engineering Generators Electronic Components > ElE Computer Posts -> CSE, ECE, IT 1 yars framers SECTIONS OF SOLIDS 4 -> Electrical Engineering

1 ypes of Section planes Symbolice supresentation of Section planes 1 Plane perpenditules to one of the seference planes and perpenditules / parallel/inclined to (iii) Perpenditular butting plane ( Also Called trace ga plane) <u>e</u> (i) Pasallel Cutting Have Plane pasallel to one of the reference planes and perpendituled to the other. Inclined Cutting plane Tuict Huel seference plane. - if inclined to VP Section seen in J-V Puxitional plane (AVP) Auxiliary june & section been in F.V \$ A



|| P: its edges are equally inclined to V-P. Its axis somm infront of V-P. A vertical section plane is cutting the away from the V-P. Braw its sectional front View setts T-V A Cube of side 40mm is neshing on H-P such that 8 60)20 2 (1234) - Bestion Make Sectional FV (Section blone) Trace

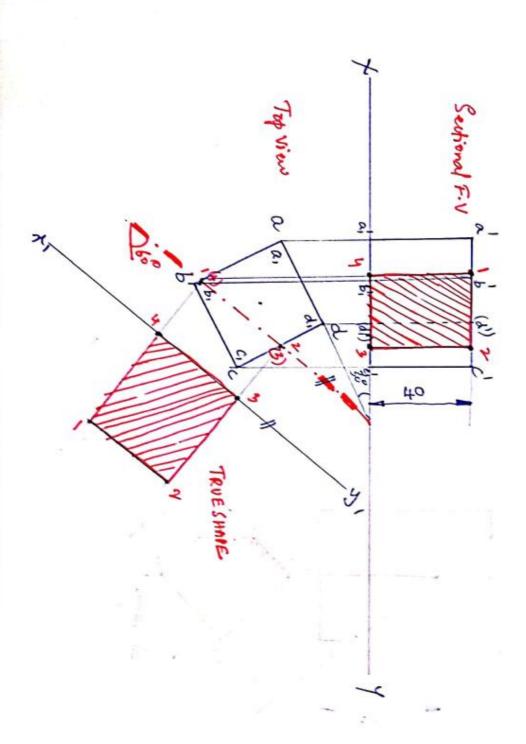
at 30° 6 V-P. Restry whits pt. 5 mm above the axis. Draw its five sectional 2 faces on H-P such that its oxis is inclined 5

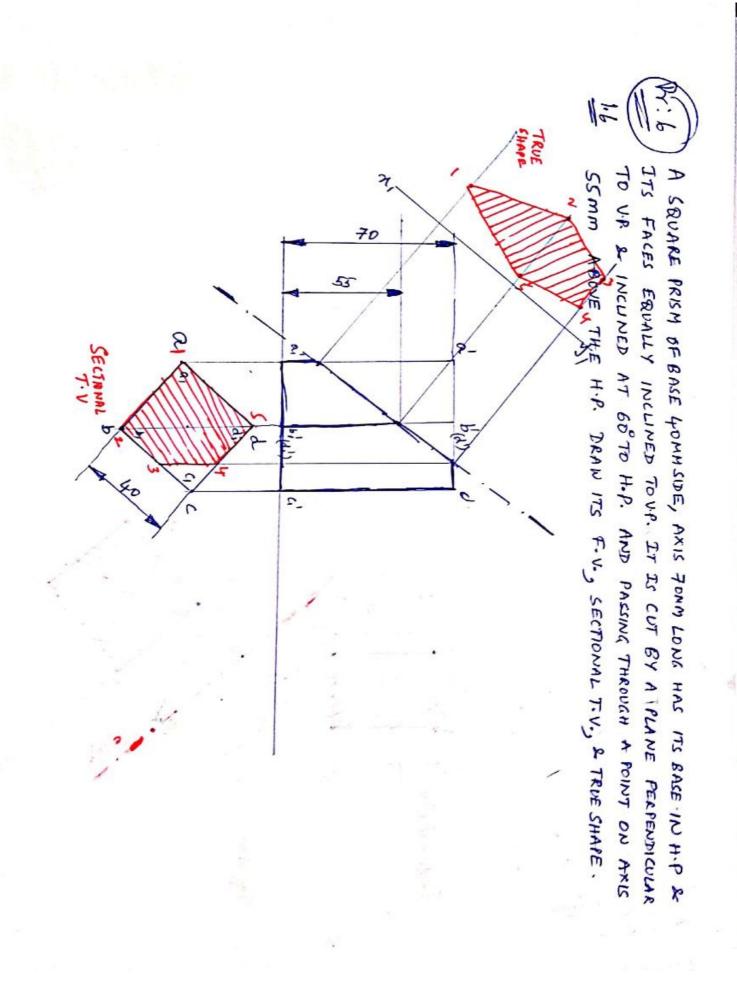
is greating on the with its base edge that to v-P and exists 11th or some front of v-P: An auxiliary inclined flame (ASE) making and an angle of 45th the is britishing the exist. Drawther Sectional J-V, Time shape and the FaV of the Prism.

Fix) A Hexpord prising side glove 25mm Laxis S5mm lay is susting with its base on #+ with one gits faces productorand 10 mm infront g v.f. A section plane perpendicular to v.p. & section plane perpendicular to v.p. & juctined at 48 mg to #+? is cutting the axis at a pt-15mm from the top of the Your the True Mape, Sectional T-V& FeV.

in Right

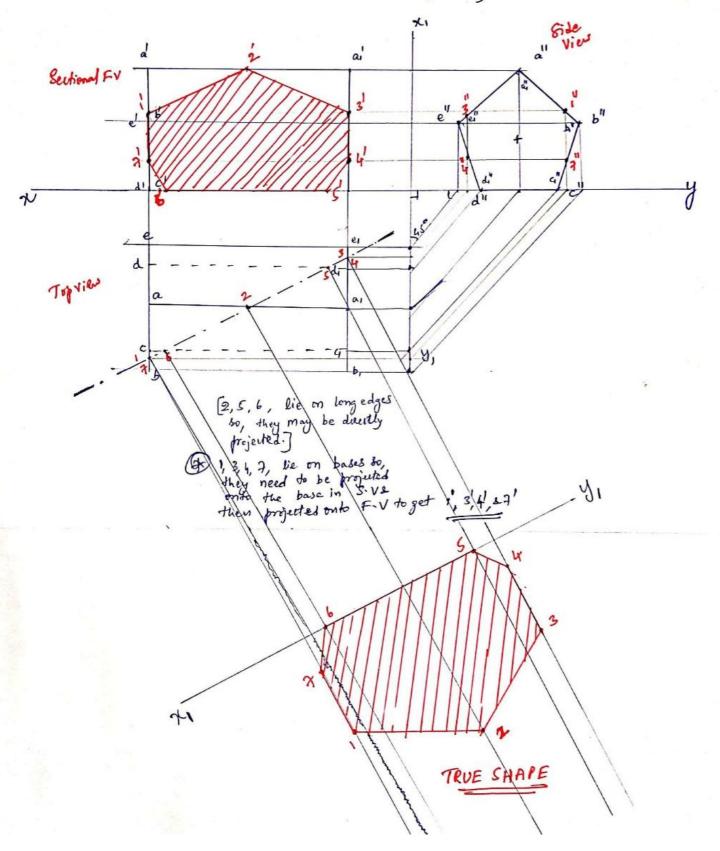
IS CUT INTO TWO HALVES. DRAW THE SECTIONAL F. W. T.V. - TRUE SHAPE. PERPENDICULAR TO H.P. SOTHAT THE FACE WHICH MAKES 65 WITH V.P. AT 30 TO UP. IT IS CUT BY A SECTION PLANE INCLINED AT 60 TO U.P AND A CUBE OF 40MM LONG IS RESTING ON H.P. ON ONE OF ITS FACES INCLINED

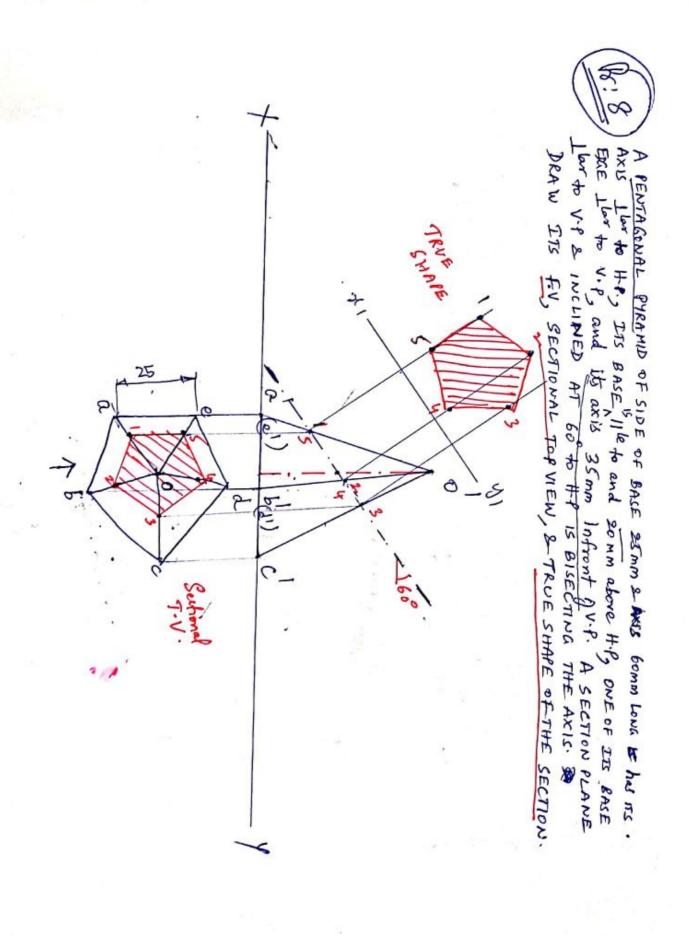






A PENTAGONAL PRISM, SIDE OF BASE 40MM \* AXIS 75MM HAS A RECTANGULAR FACE ON H.P. AND AXIS PARALLEL TO V.P. IT IS CUT BY A VERTICAL SECTION PLANE THE H.T OF WHICH MAKES AN ANGLE OF 30° WITH X-Y AND BISECTS THE AXIS. DRAW THE SECTIONAL F.V., T.V., & TRUE SHAPE OF THE SECTION.

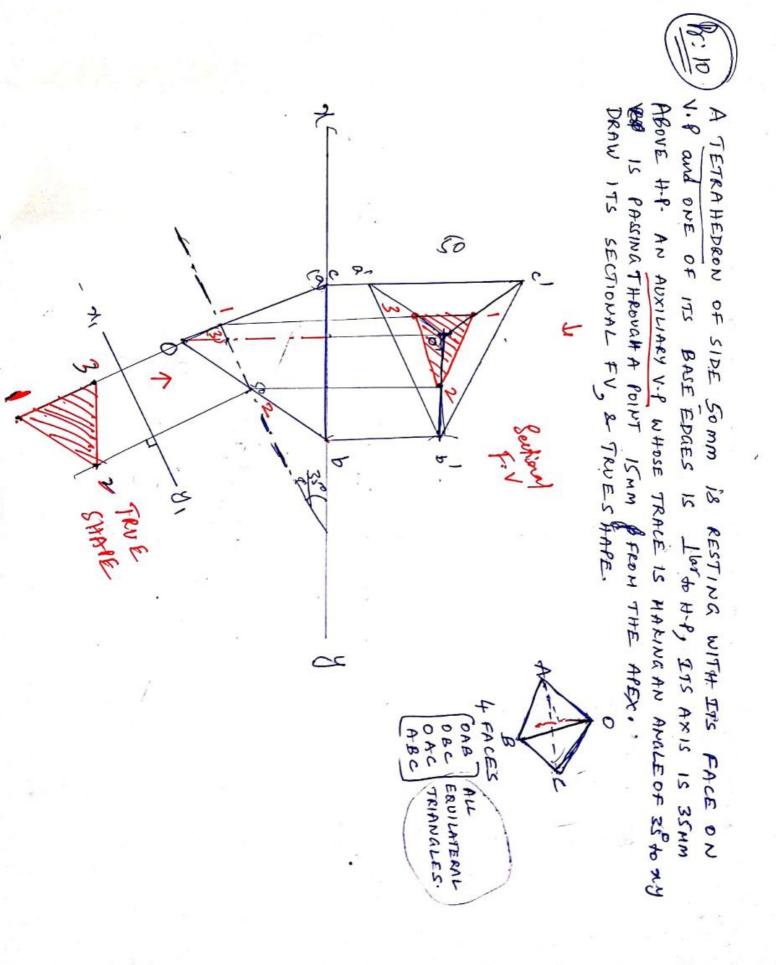


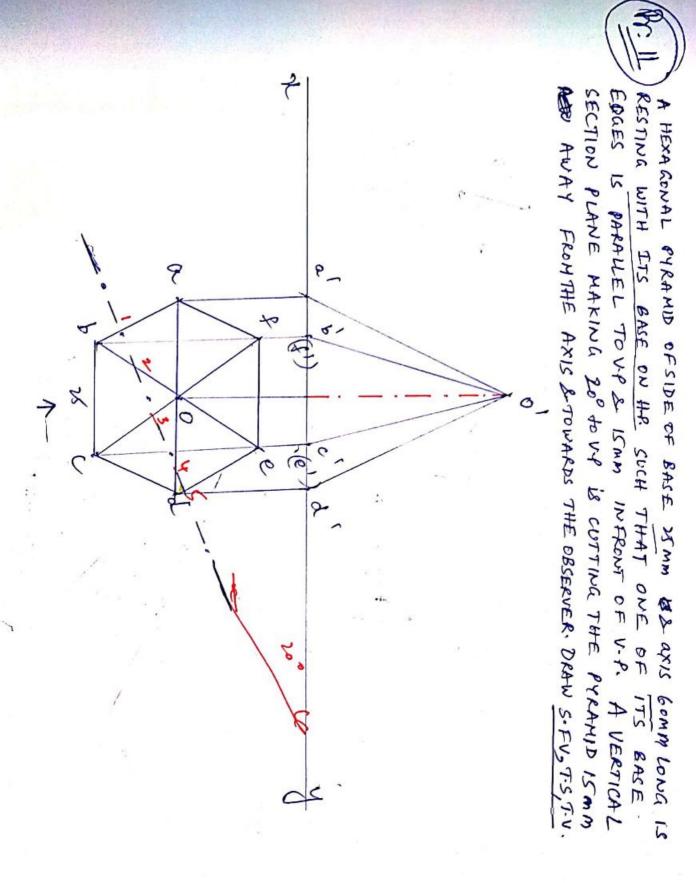


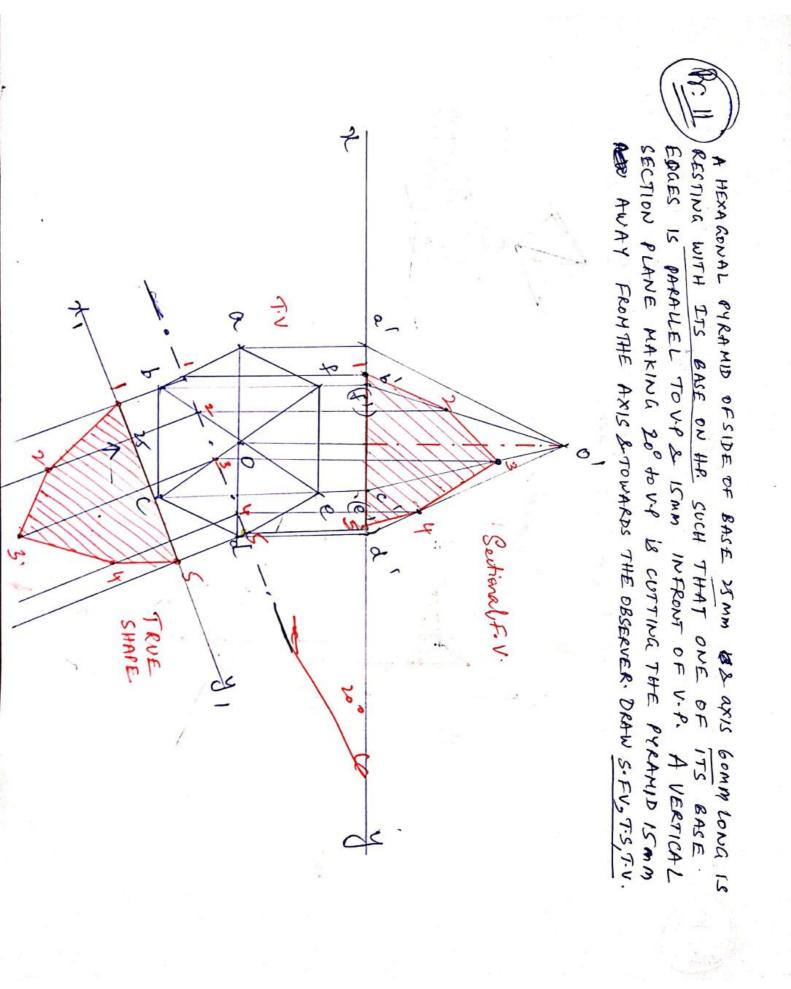
The serving with its base on H.P. one of its base edges is making 20 to V.P and the axis is 30 nm infront of V.P.

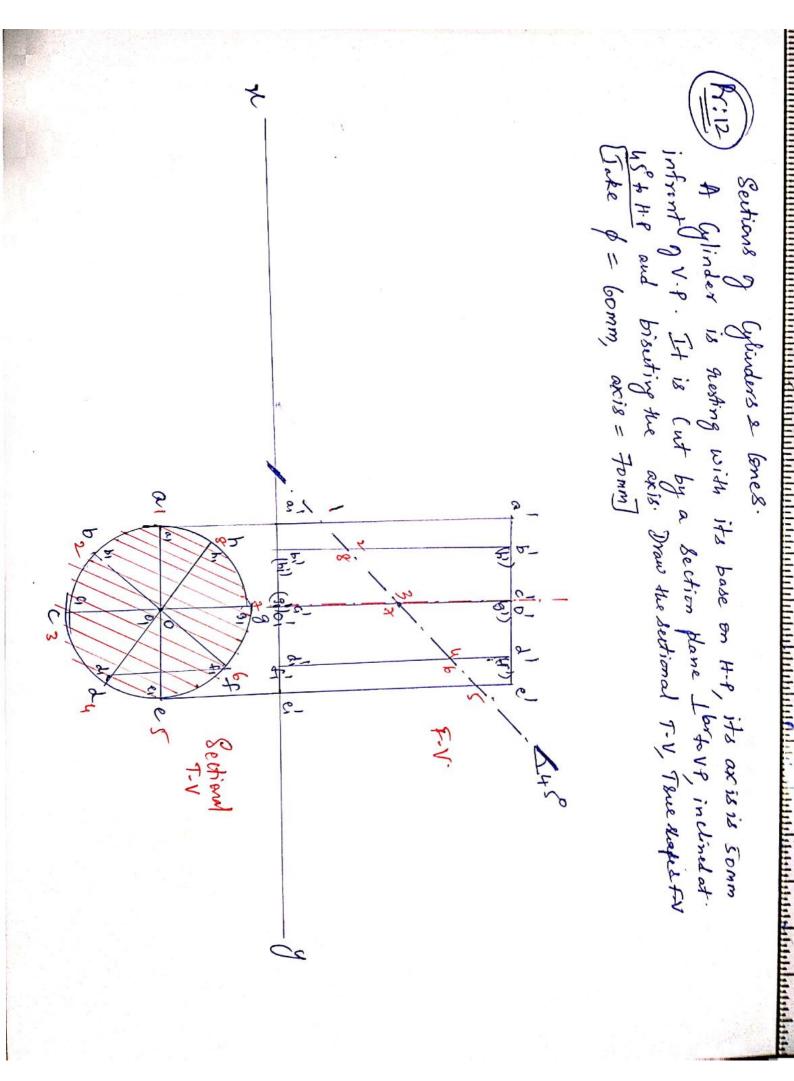
Traw its projections when its cut by a section plane forwait.

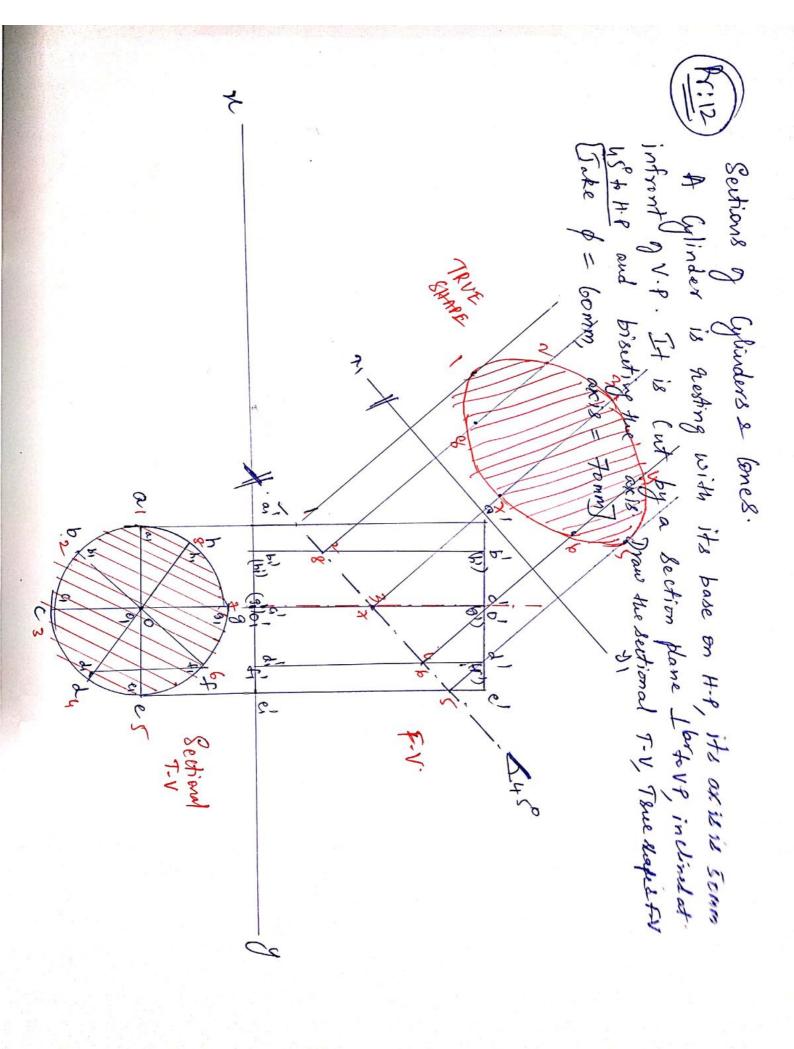
To V-P, inclined at us to H.P. and putting through a first section. 55 apex. Drawn its true shut 8

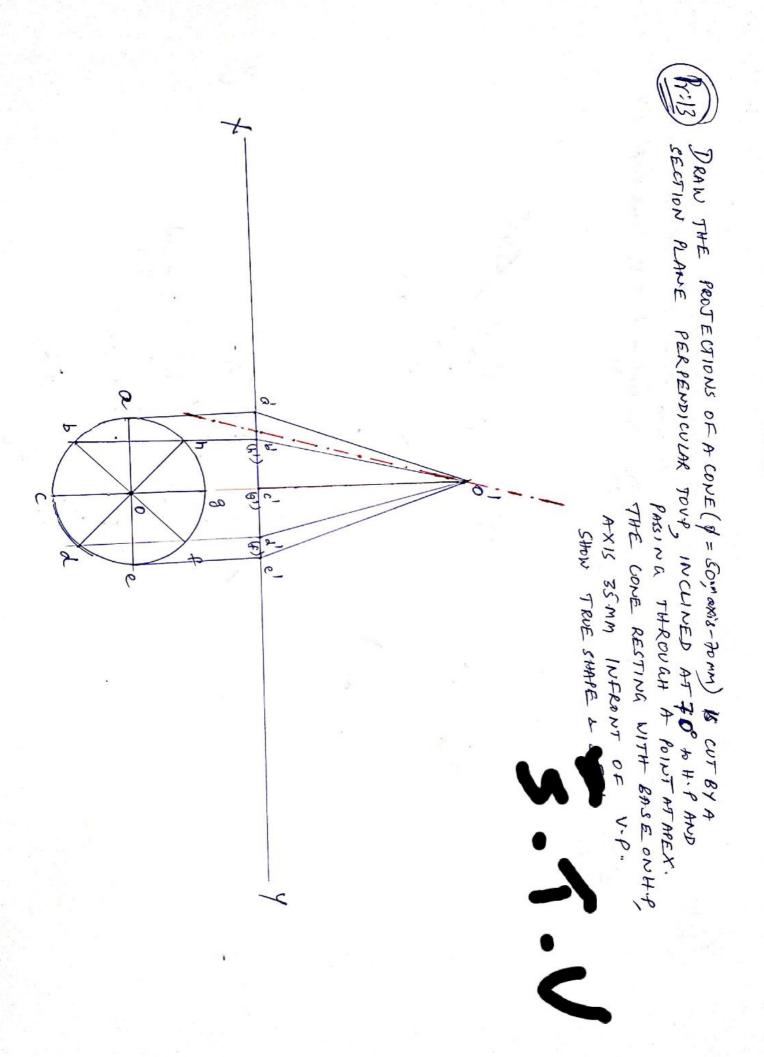


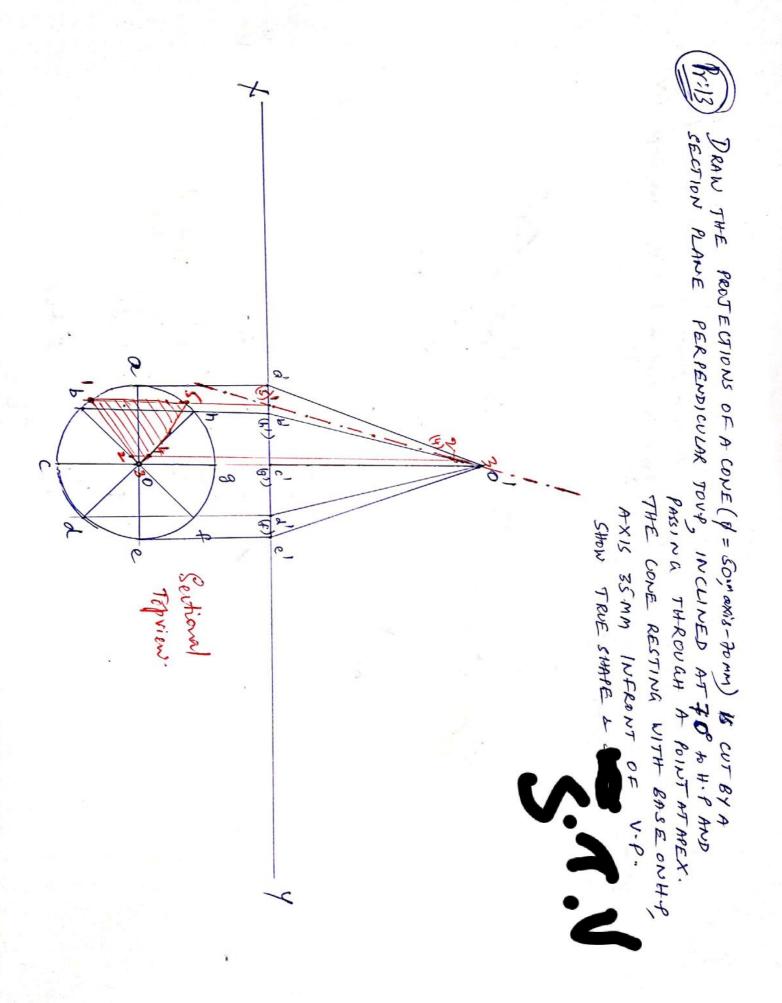


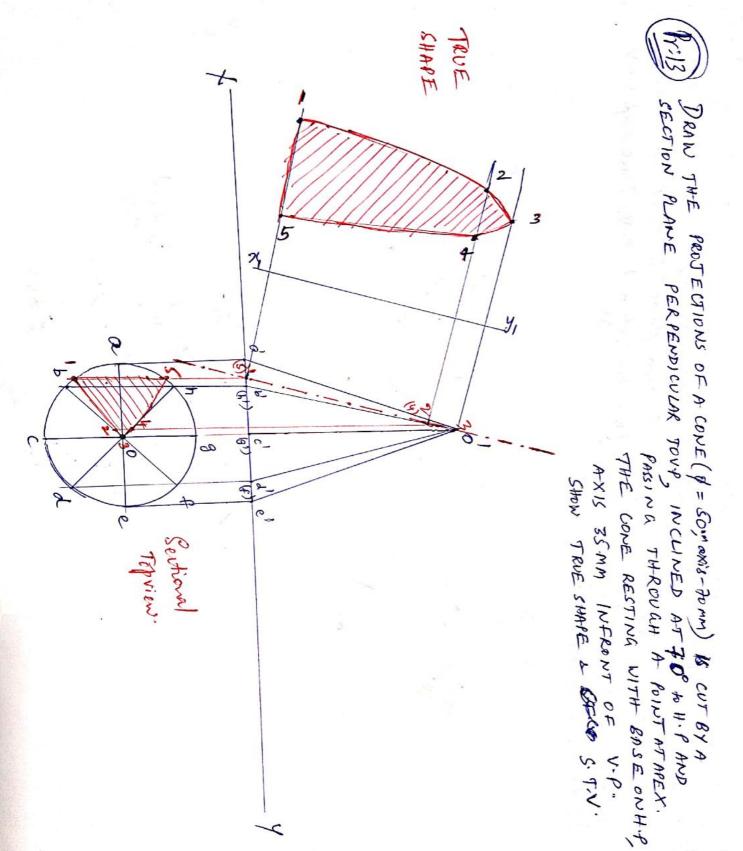












50

6

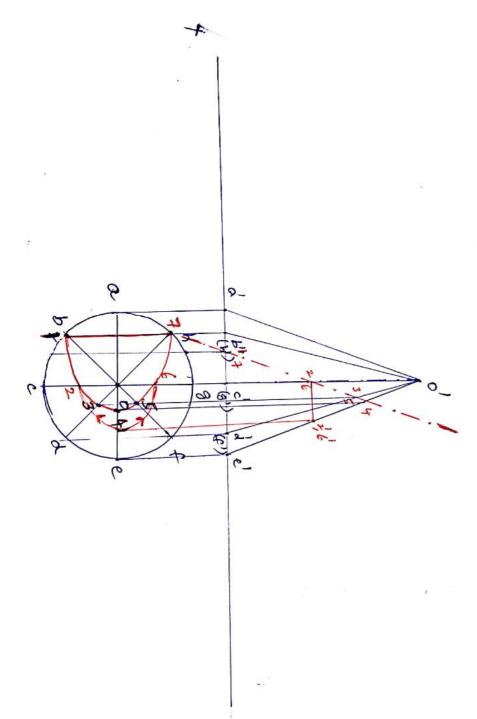
Sectional

Topview.

6



A lone of base diameter somm, axis 65mm long is biseited by an auxiliary inclined plane, posalled to one of the generators of lones romaway. Drow its true Mape, Sectional T.V, & F.V. (Assume base restry on H.P)





) A lone of base diameter somm, axis 65mm long is biseited by an auxiliary inclined plane, palallel to one of the generators of lones Iomnaway. Draw its true Mape, Sectional T.V, & F.V. (Assume base sessing on H.P)

8



) A lone of base diameter somm, axis 65mm long is biseited by an auxiliary inclined plane, posalled to one of the generators of lone of 100mmaway. Drow its true shape, sectional TV, & FV. (Assume base restry on H.P.)

