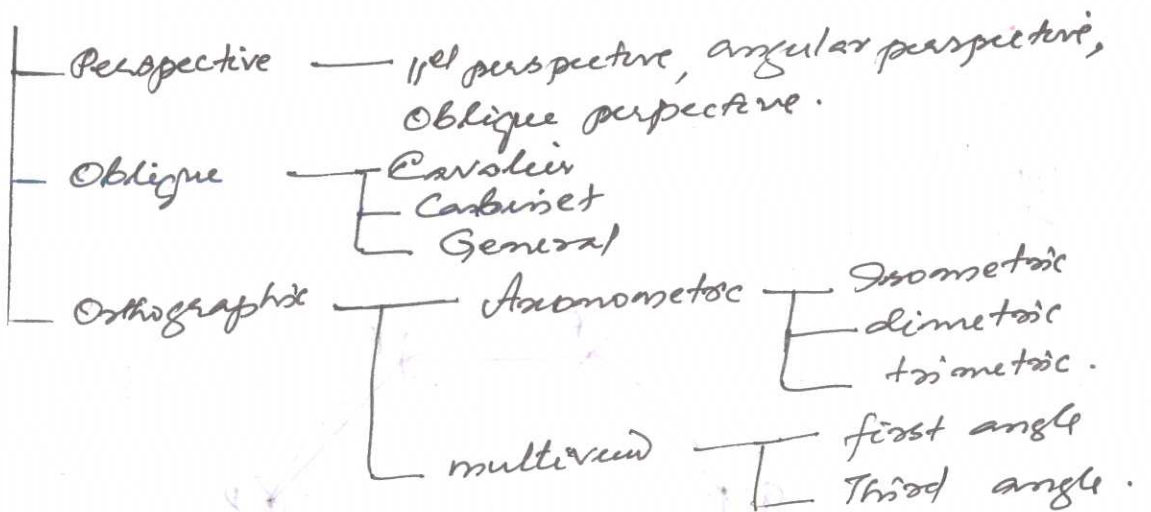


Scheme - Engg: Graphics

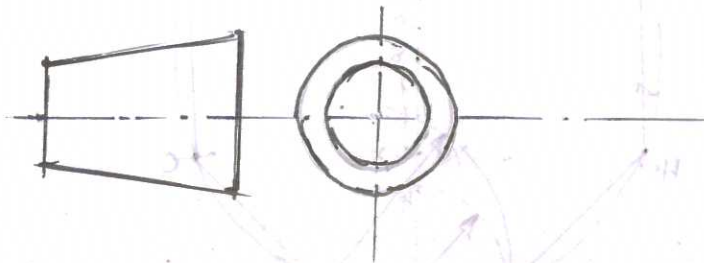
1. T-square or minidrafts
 Set squares, Protractor,
 Instrument box, Engineer's scale set,
 Pencils etc.

any two - 2

2. Systems of projection



3.

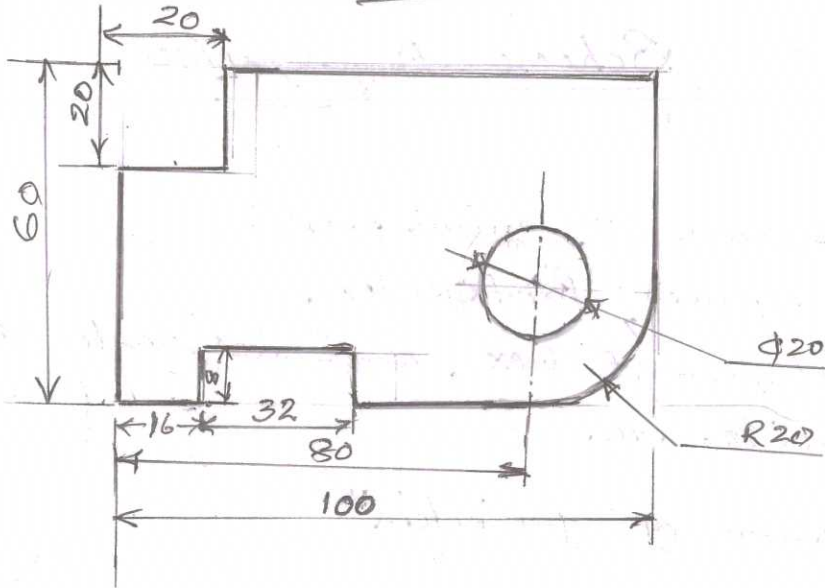


4. Helix is defined as a space curve generated by a point which moves on the surface of a cylinder or cone in a circumferential direction at a constant angular speed.

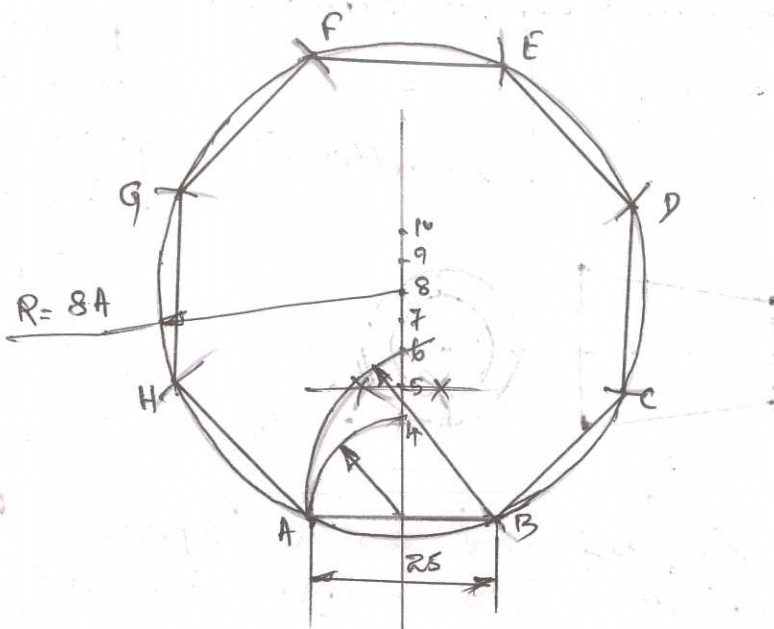
5. A length twice that of the ordinate is called double ordinate.

PART - B

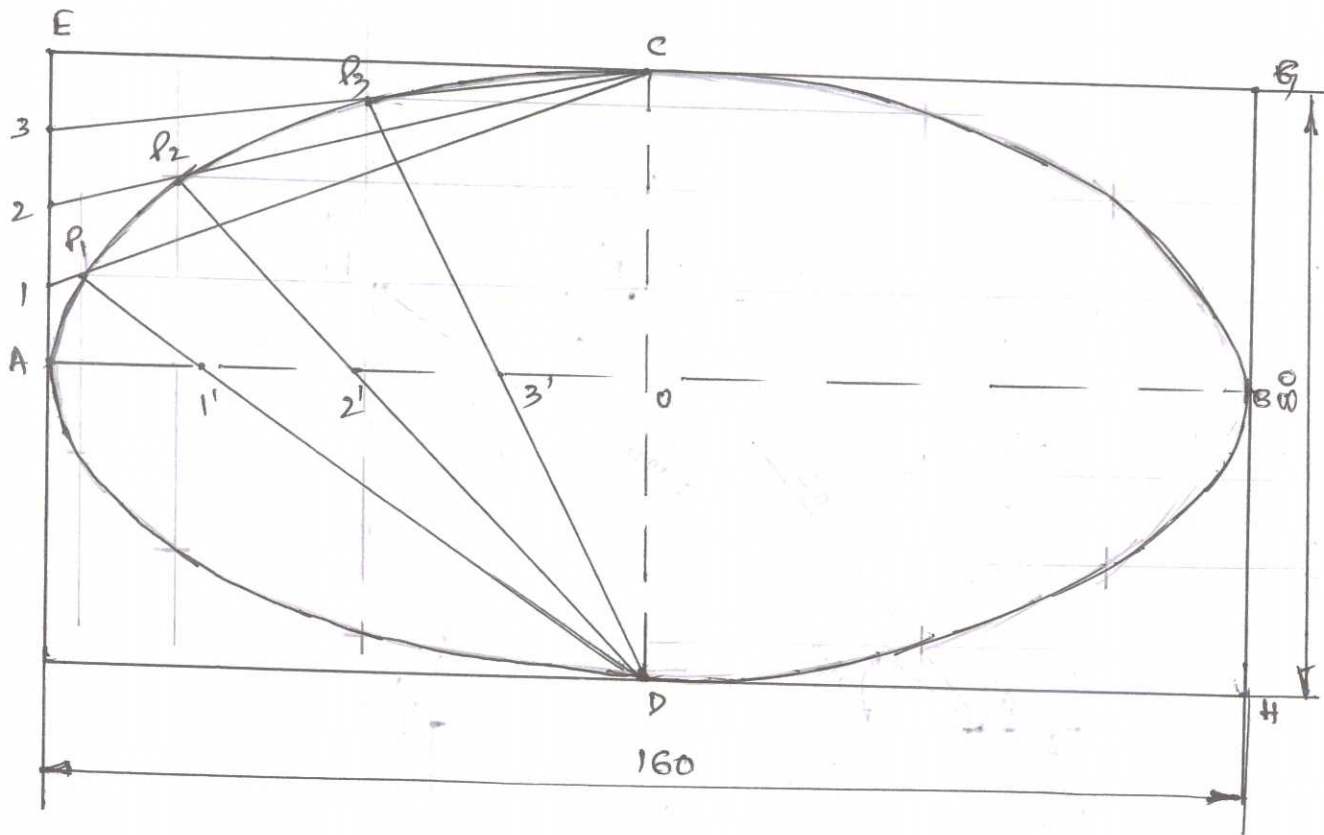
II



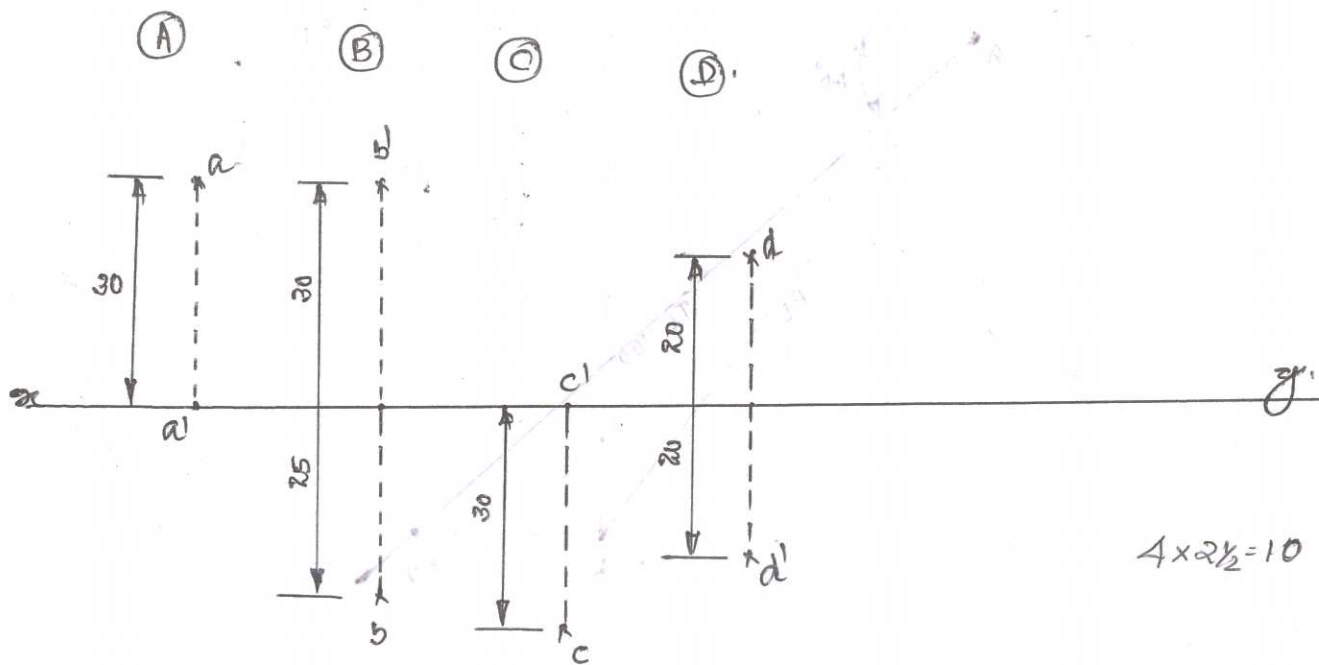
III



17

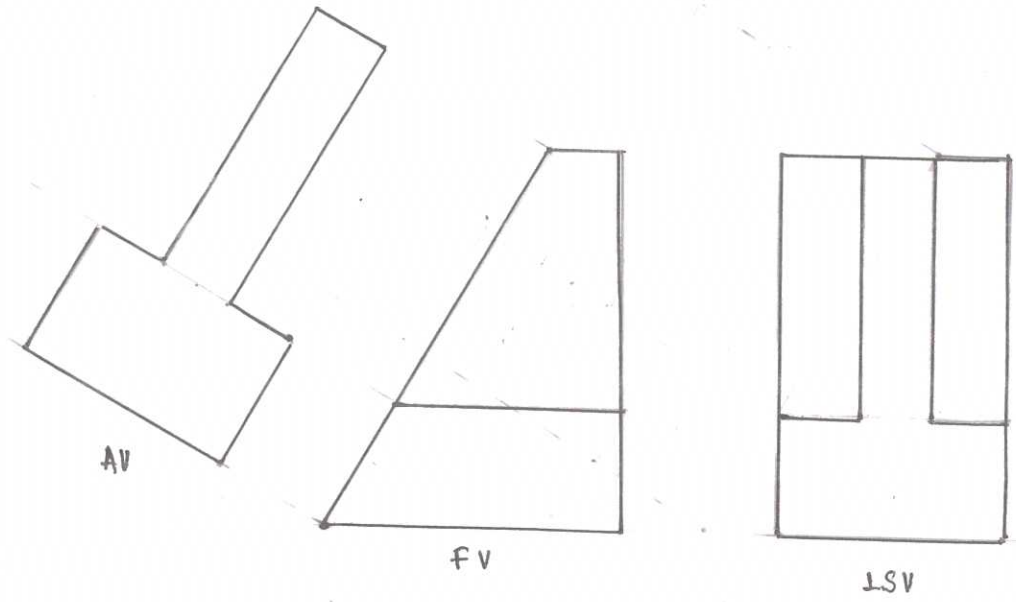


18

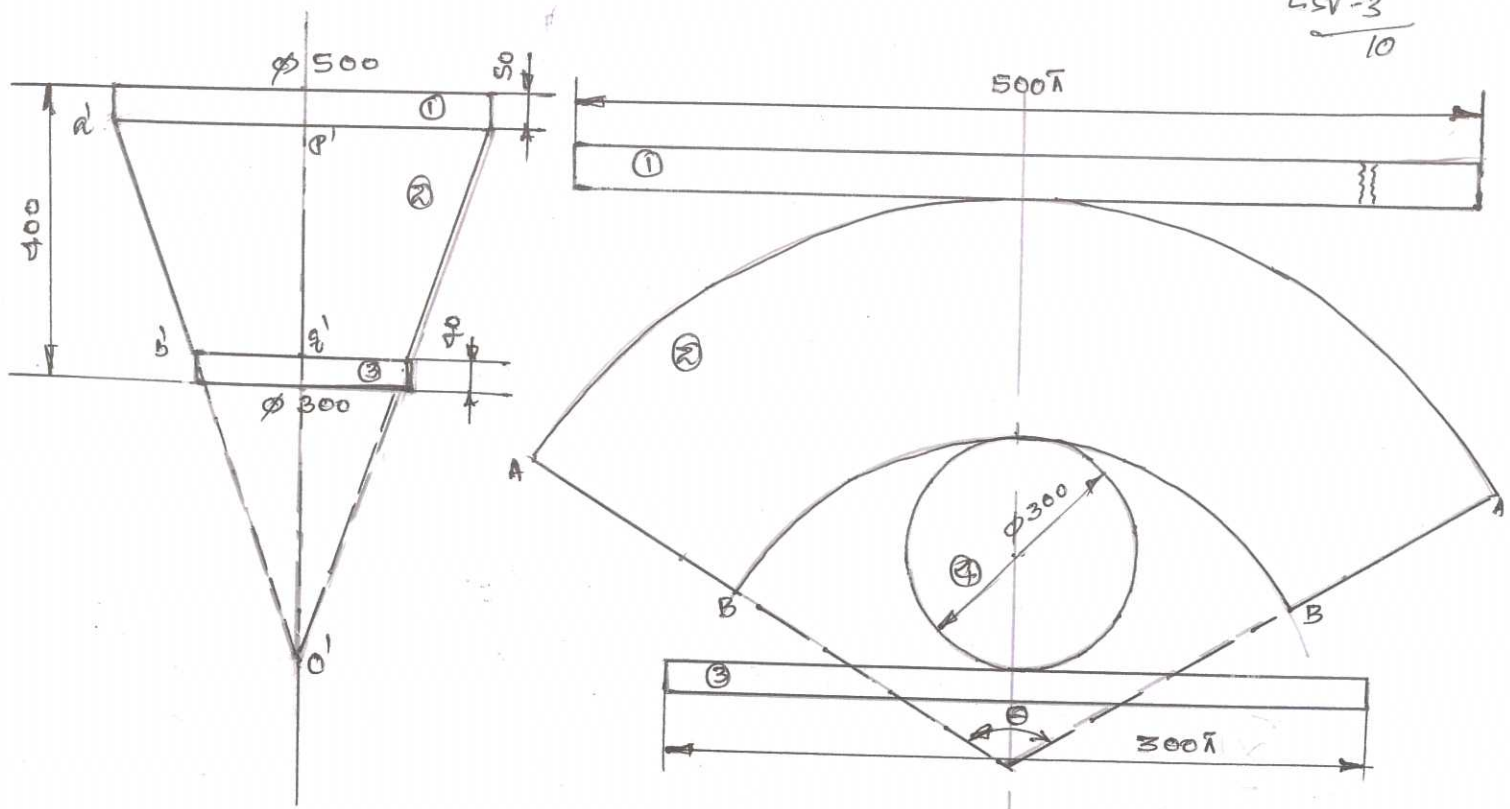


$4 \times 2 \frac{1}{2} = 10$

VII



VIII

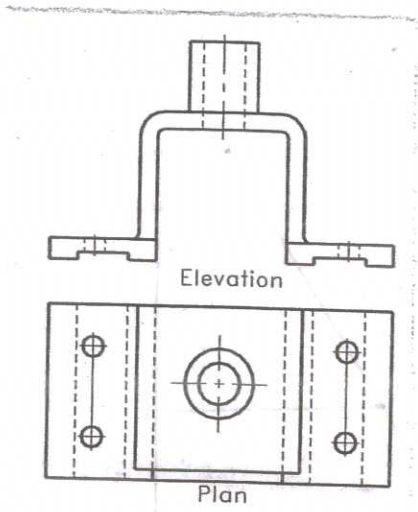


AV-4
 FV-3
 LSV-3
 10

$$\theta = \frac{d/P'}{r/O'} \times 360$$

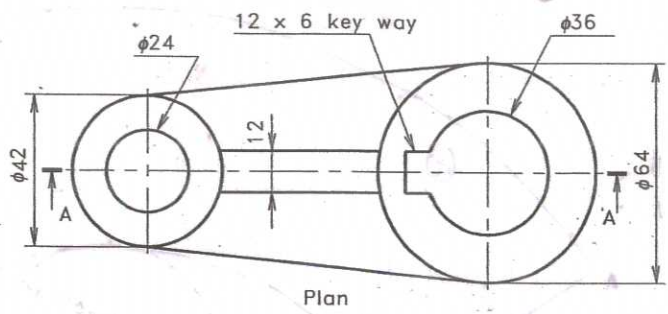
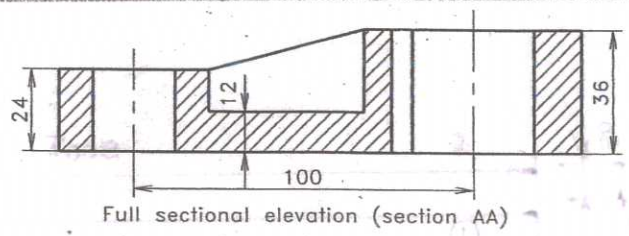
$5 \times 2 = 10$

1x



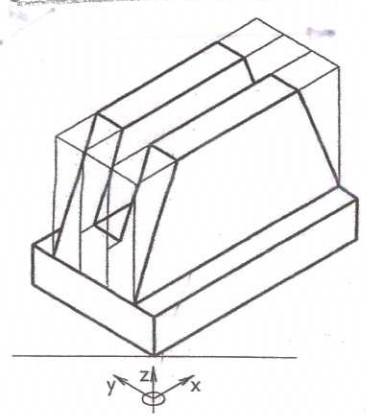
10 +
10
20

1x



12 +
8
20

1x



20