

Jaypee University of Engineering
and Technology, Guna

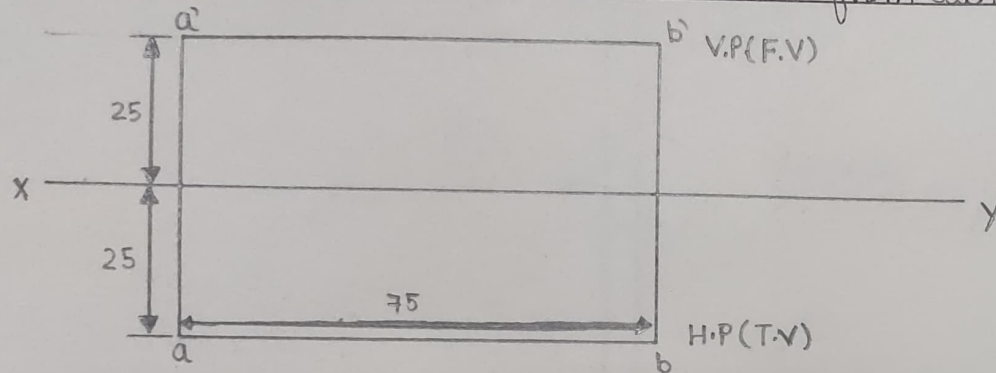
Assignment 4
Of Engineering
drawing

Name: PalashMishra

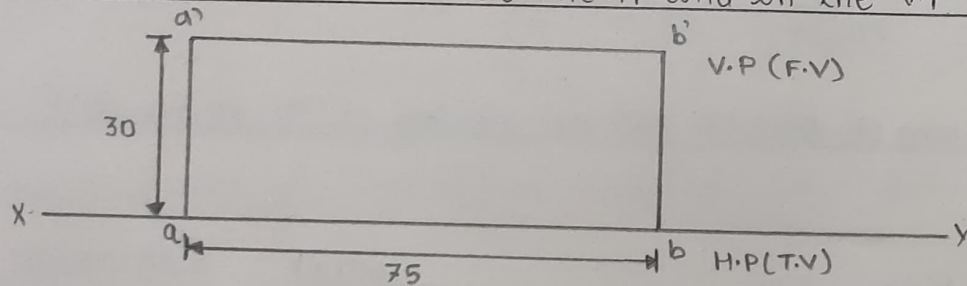
Enroll No. :201B172

1. Draw the projections of 75 mm long straight line, in the following positions:

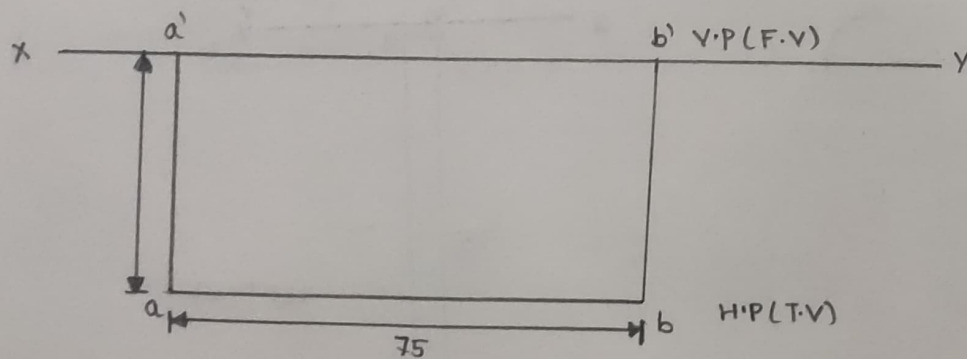
(a) (i) Parallel to both the H.P and the V.P and 25 mm from each.



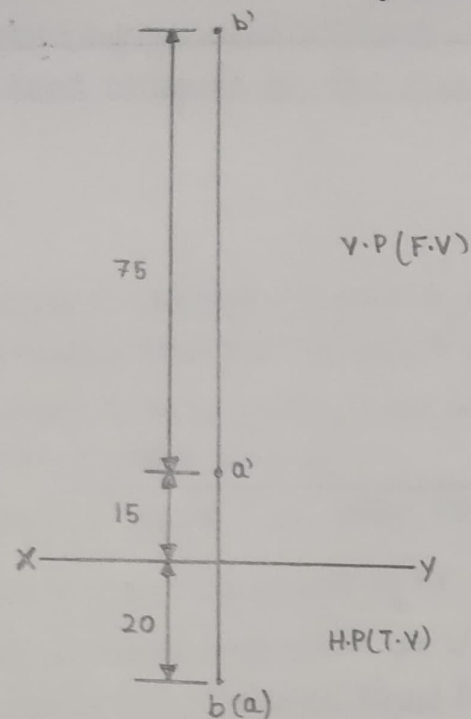
(ii) Parallel to and 30 mm above the H.P and in the V.P



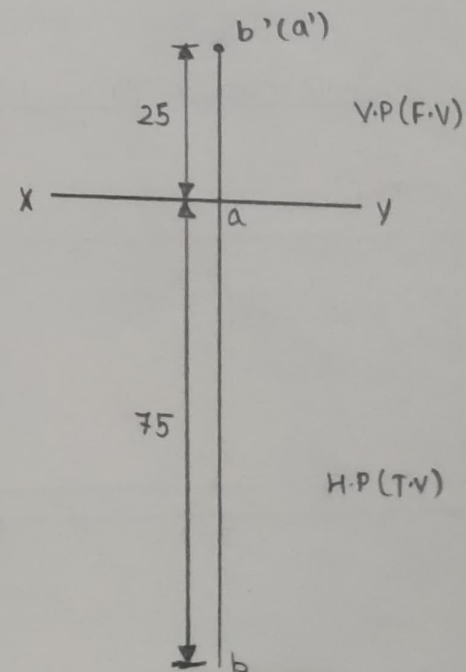
(iii) Parallel to and 40 mm in front of the V.P and in the H.P.



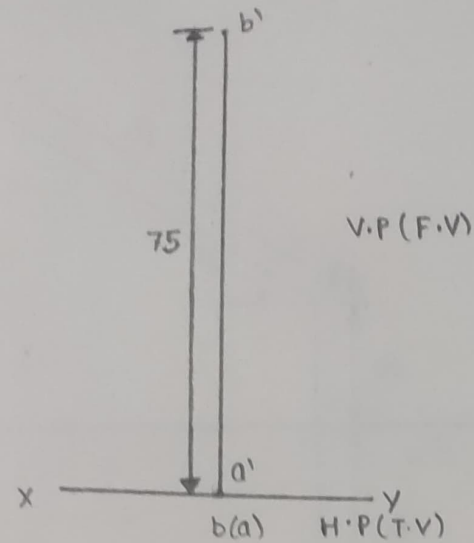
(b) (i) Perpendicular to the H.P., 20 mm in front of the V.P. and its one end 15 mm above the H.P.



(ii) Perpendicular to the V.P., 25 mm above the H.P. and its one end in the V.P.



(iii) Perpendicular to the V.P. 25 mm above the H.P and its one end in the V.P



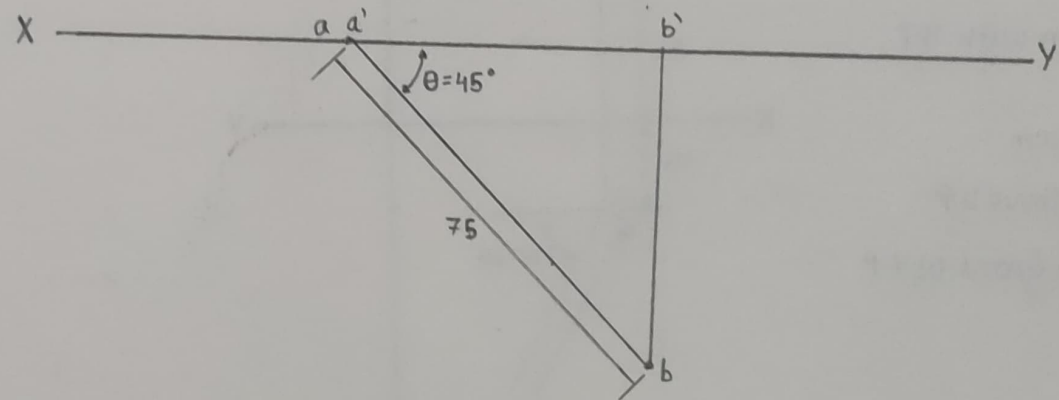
(C) (i) Inclined at 45° to the V.P, in the H.P and its one end in the V.P

Given data :

Inclination angle with

$VP = 45^\circ$

$ab = 75\text{mm}$



(ii) Inclined at 30° to the H.P and its one end 20mm above it; parallel to and 30mm in front of the V.P

Given:

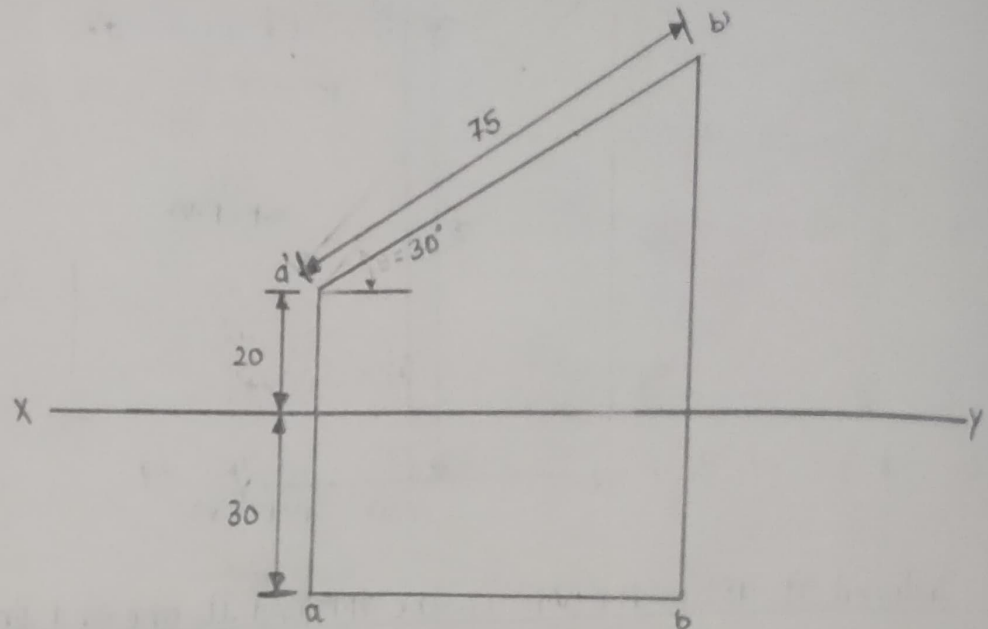
Inclination angle

with H.P = 30°

$ab = 75\text{mm}$

20mm above H.P

30mm in front of V.P



(iii) Inclined at 60° to the V.P and its one end 15mm in front of it; parallel to and 25mm above the H.P

Given:

Inclination with H.P

$\theta = 60^\circ$

$ab = 75\text{mm}$

25mm above H.P

15mm in front of V.P

