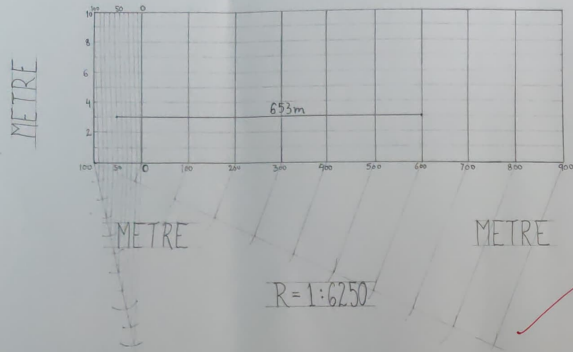


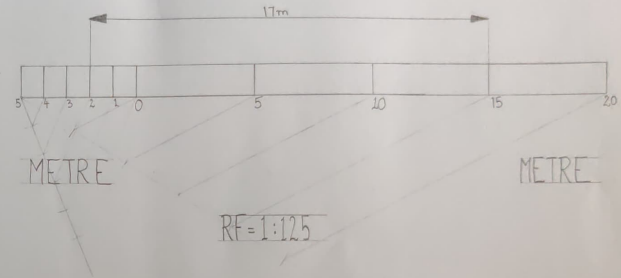
Q.3 Given - RF = 1:6250 ML = 1km  
 $LOS = RF \times ML = \frac{1}{6250} \times 1 \times 10^5 = 16\text{cm}$



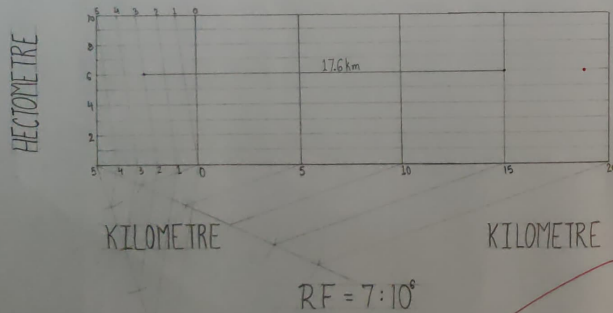
Q.1 Given - DL = 3.2cm AL = 4m ML = 25m

$RF = \frac{DL}{AL} = \frac{3.2\text{cm}}{400\text{cm}} = \frac{1}{125}$

$LOS = RF \times ML = \frac{1}{125} \times 25 \times 10^5 = 20\text{cm}$



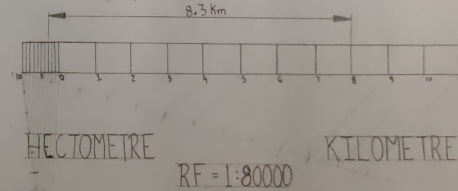
Q.4 Given - DL = 14cm AL = 20km ML = 25km  
 $RF = \frac{DL}{AL} = \frac{14}{20 \times 10^5} = \frac{7}{10^6}$   
 $LOS = RF \times ML = \frac{7}{10^6} \times 25 \times 10^5 = 17.5\text{cm}$



Q.2 Given - DL = 45cm AL = 36km ML = 12km

$RF = \frac{DL}{AL} = \frac{45\text{cm}}{36 \times 10^5\text{cm}} = \frac{1}{80000}$

$LOS = RF \times ML = \frac{1}{80000} \times 12 \times 10^5 = 15\text{cm}$



BHAGWAN PARSURAM		NAME VINA AK SHARMA
INSTITUTE OF		ROLL NO
TECHNOLOGY NEW DELHI		CLASS A
DATE		BRANCH CSE
CHECKED BY		DRAWING
SCALE 1:1		NUMBER - 2

05/05

05/05

# SINGLE STROKE LETTERS

ABCDEFGHIJKLMNOPQRSTUVWXYZ

XYZ 0123456789

abcdefghijklmnopqrstuvwxyz

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz








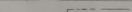


123456789

# DOUBLE STROKE LETTERS

ABCDEFGHIJKLMNOPQRSTUVWXYZ

RSTUVWXYZ

1234567890

Line	Description	General Application
A		A1 Visible outlines
		A2 Visible Edges
B		B1 Imaginary lines of intersection
		B2 Dimension Lines
		B3 Projection Lines
		B4 Leader Lines
		B5 Hatching Lines
		B6 Outlines of revolved sections in place.
		B7 Short Centre Lines
C		C1 Limits of partial or interrupted views and sections, if the limit is not a chain thin
D		D1 Long Break Line
E		E1 Hidden outlines
F		E2 Hidden Edges
		F1 Hidden outlines
G		F2 Hidden Edges
		G1 Centre Lines
H		G2 Lines of Symmetry
		G3 Trajectories
J		H1 Cutting Planes
K		J1 Indication of lines or surfaces to which a special requirement applies
		K1 Outlines of Adjacent parts
		K2 Alternative or Extreme position of movable parts
		K3 Centroidal Lines
		K4 Initial outlines prior to forming
		K5 Parts situated in front of the cutting plane

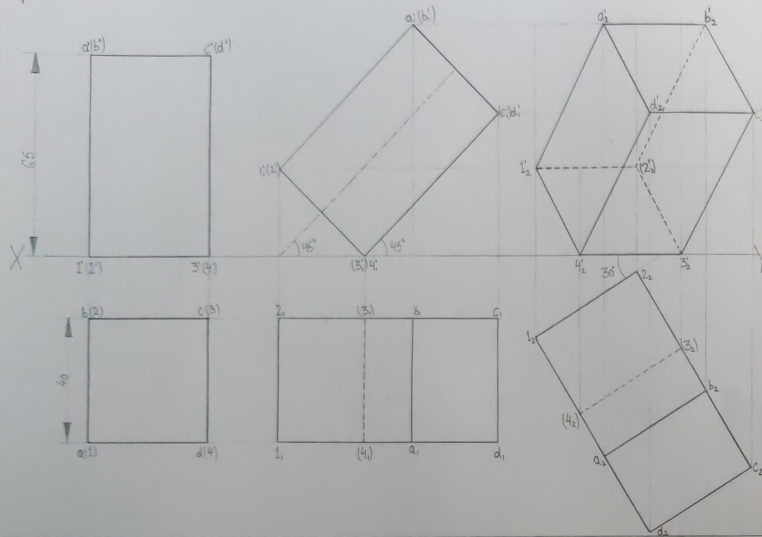
05/05

Bhath  
11/02/22

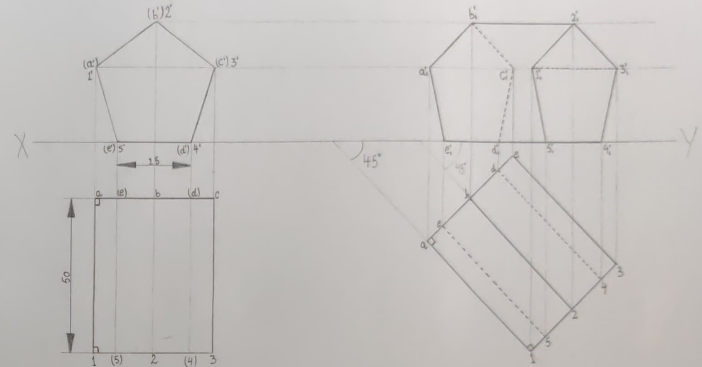
BHAGWAN PARSHURAM INSTITUTE OF TECHNOLOGY NEW DELHI  
NAME VINAYAK SANKU  
ROLL NO.  
CLASS A  
BRANCH CSE  
DATE  
CHECKED BY  
DRAWING NO. 1

SCALE 1:1 TYPES OF LINES AND LETTERING

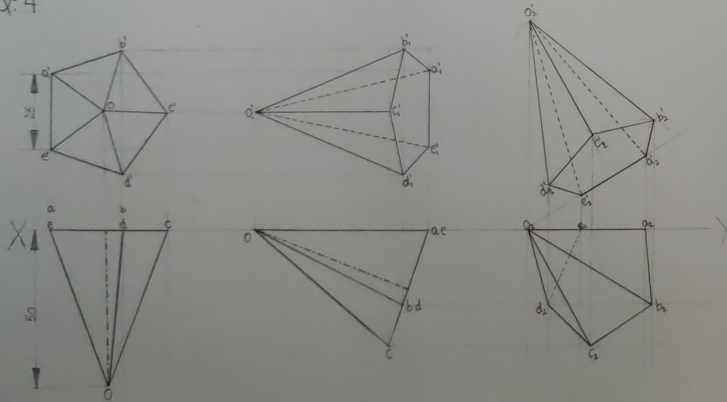
Q.3



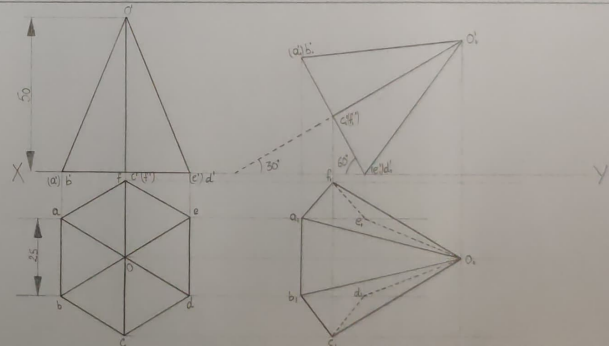
Q.1



Q.4



Q.2

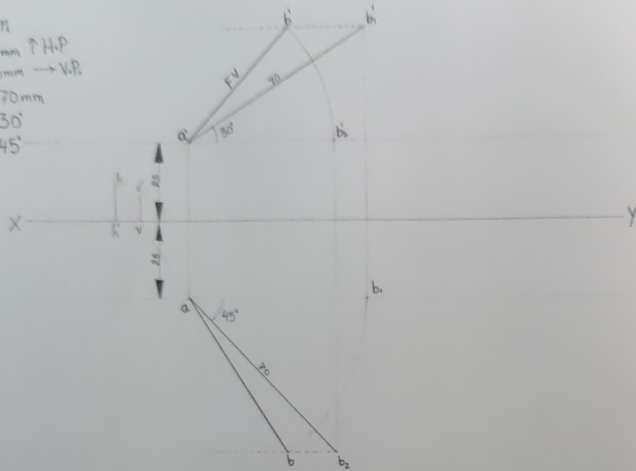


BHAGWAN PARSHURAM  
 INSTITUTE OF  
 TECHNOLOGY NEW DELHI  
 SCALE: 1" = 1" PROJECTION OF  
 SOLIDS

NAME: VINAYAK  
 ROLL NO:  
 CLASS: 1st YEAR A  
 BRANCH: CSE  
 DATE:  
 CHECKED BY:  
 DRAWING  
 NUMBER-7

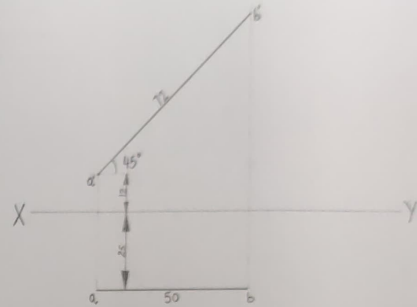
Q.1

Given  
 A: 25mm ↑ H.P.  
 25mm → V.P.  
 TL = 70mm  
 $\theta = 30^\circ$   
 $\phi = 45^\circ$



Q.3

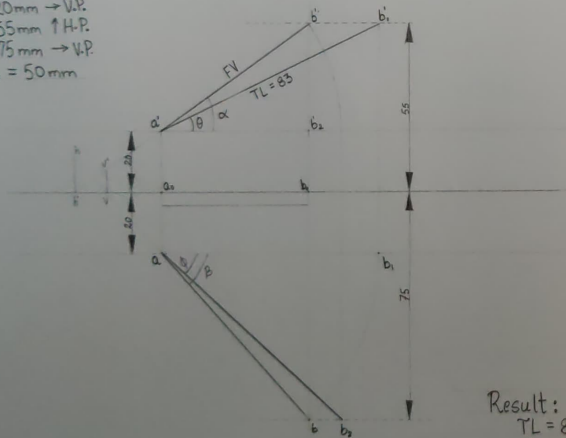
Given A: 12mm ↑ H.P.  
 25mm → V.P.  
 $\theta = 45^\circ$   
 || to V.P.  
 $ab = 50mm$



Result  
 T.L. = 72mm

Q.2

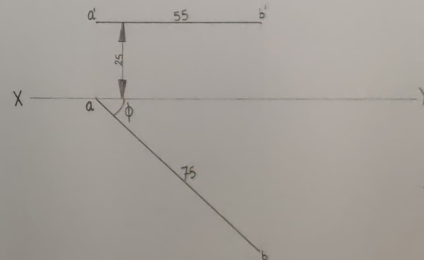
Given A: 20mm ↑ H.P.  
 20mm → V.P.  
 B: 55mm ↑ H.P.  
 75mm → V.P.  
 $a_2b_2 = 50mm$



Result:  
 TL = 83mm  
 $\theta = 26^\circ$   
 $\phi = 41^\circ$

Q.4

Given A: 25mm ↑ H.P.  
 T.L. = 75mm  
 $a'b' = 55mm$



Result  
 $\phi = 41^\circ$

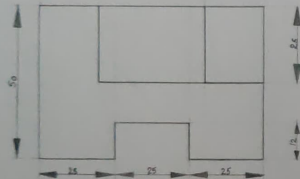
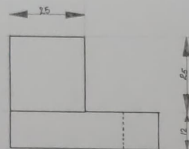
BHAGWAN PARSHURAM	NAME	VINAYAK
INSTITUTE OF	ROLL NO	
TECHNOLOGY NEW DELHI	CLASS	1st YEAR A
SCALE: PROJECTION OF	BRANCH	CSE
1 © LINES	DATE	
	CHECKED BY	
	DRAWING	
	NUMBER	-4

Q.1

Front View



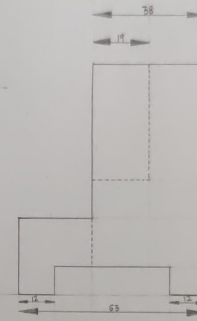
Side View



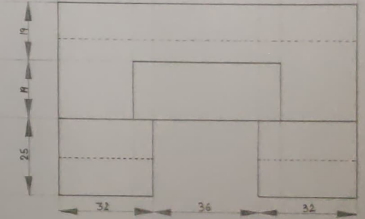
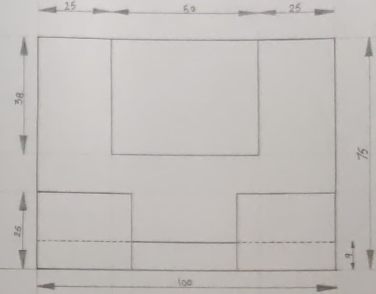
Top View

Q.2

Side View



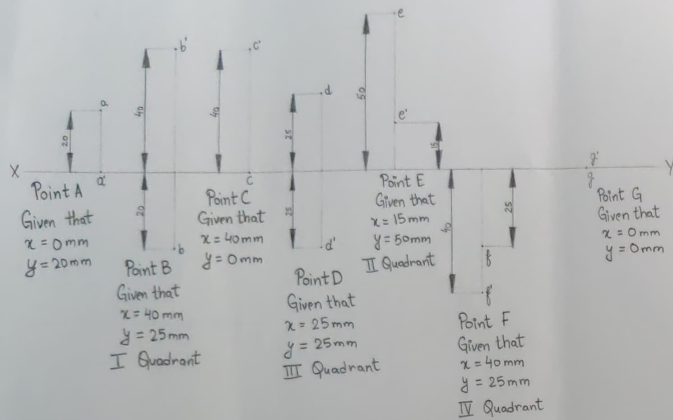
Front View



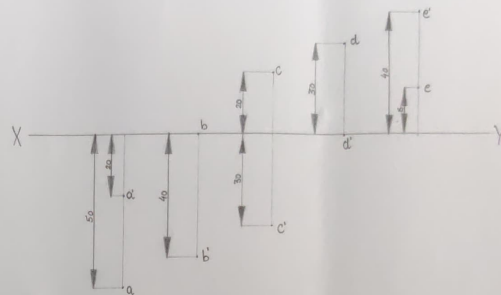
Top View

BHAGWAN PARSHURAM		NAME VINAYAK
INSTITUTE OF		ROLL NO
TECHNOLOGY NEW DELHI		CLASS 1st YEAR A
SCALE: 1:1		BRANCH CSE
ORTHOGONAL		DATE
PROJECTION		CHECKED BY
DRAWING		NUMBER-5

Q.1



Q.4

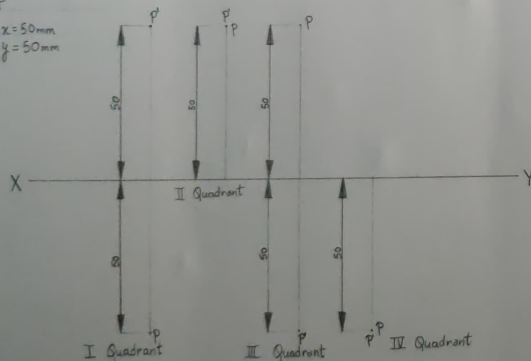


Point A is 20mm below HP and 50mm in front of V.P. (IV Quadrant)  
 Point B is 40mm below HP and on VP  
 Point C is 30mm below HP and 20mm behind VP. (III Quadrant)  
 Point D is on the H.P. and 30mm behind VP  
 Point E is 40mm above HP and 15mm behind V.P. (II Quadrant)

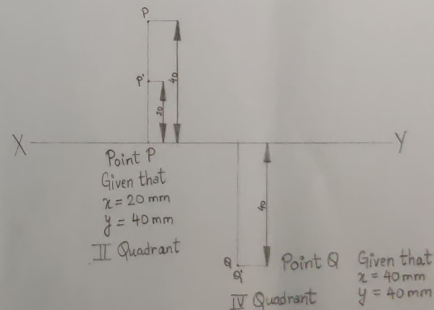
Q.2

POINT P

Given that  $x = 50\text{ mm}$   
 $y = 50\text{ mm}$



Q.3



BHAGWAN PARSHURAM	NAME VINAYAK SAHU
INSTITUTE OF	ROLL NO
TECHNOLOGY NEW DELHI	CLASS 1st YEAR A
SCALE: PROJECTION OF	BRANCH CSE
POINTS	DATE
	CHECKED BY
	DRAWING
	NUMBER - 3