

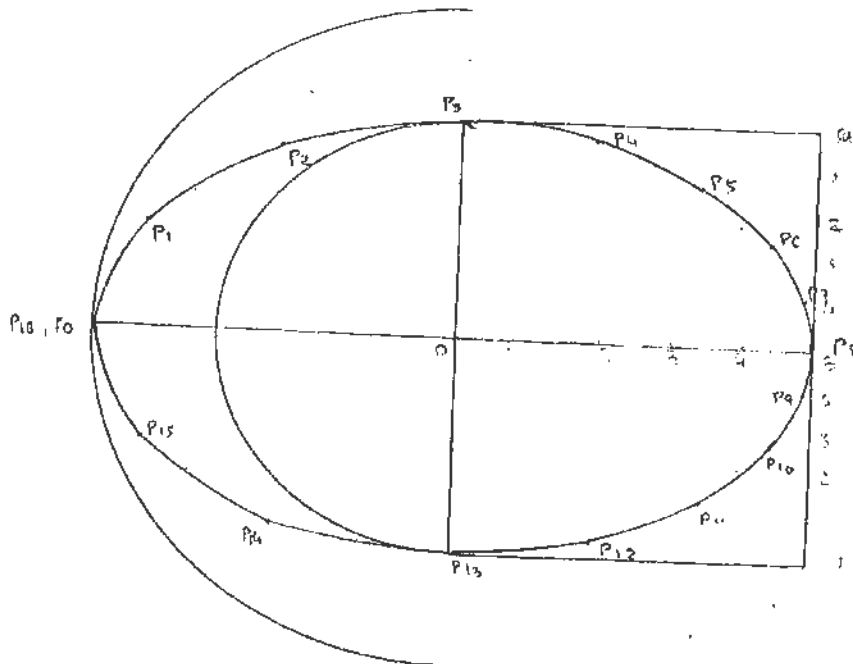
# Paper Solution

Subject Code: 2110013

141116

Subject Name: Engineering Graphics

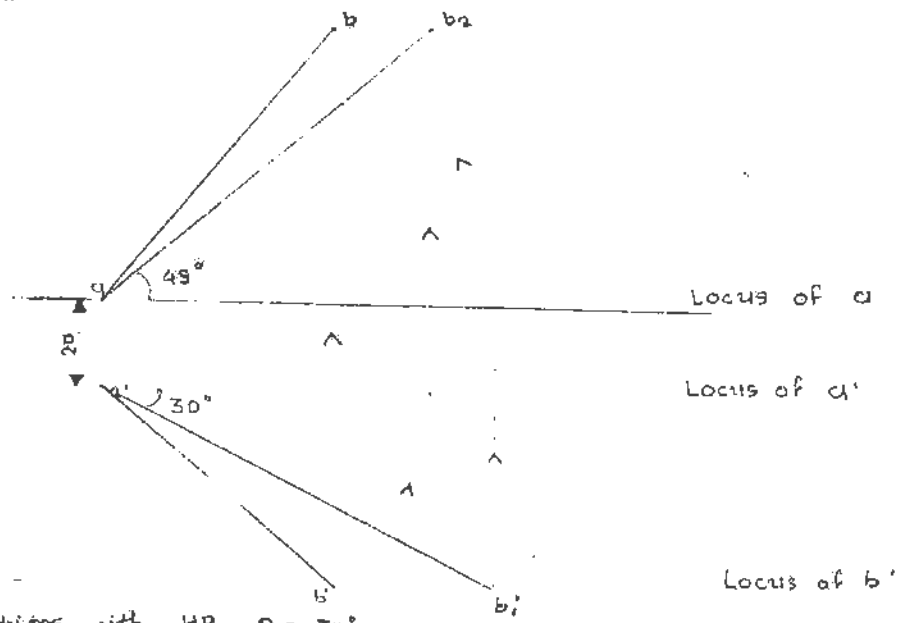
Question No	Sub Question	Answer	Marks	Question No	Sub Question	Answer	Marks
1 (a)	1	D Triangle	1	1(b)	1	C $120^0$	1
	2	A. Left of F.V.	1		2	A 1:1	1
	3	C. Smooth curve	1		3	A Parallel	1
	4	B. Straight line	1		4	A equal to Actual Dia.	1
	5	C Parallel to C.P.	1		5	C 90, Same as	1
	6	B Square	1		6	A Circle, Front	1
	7	D Equal to length	1		7	B observer-Plane - object	1



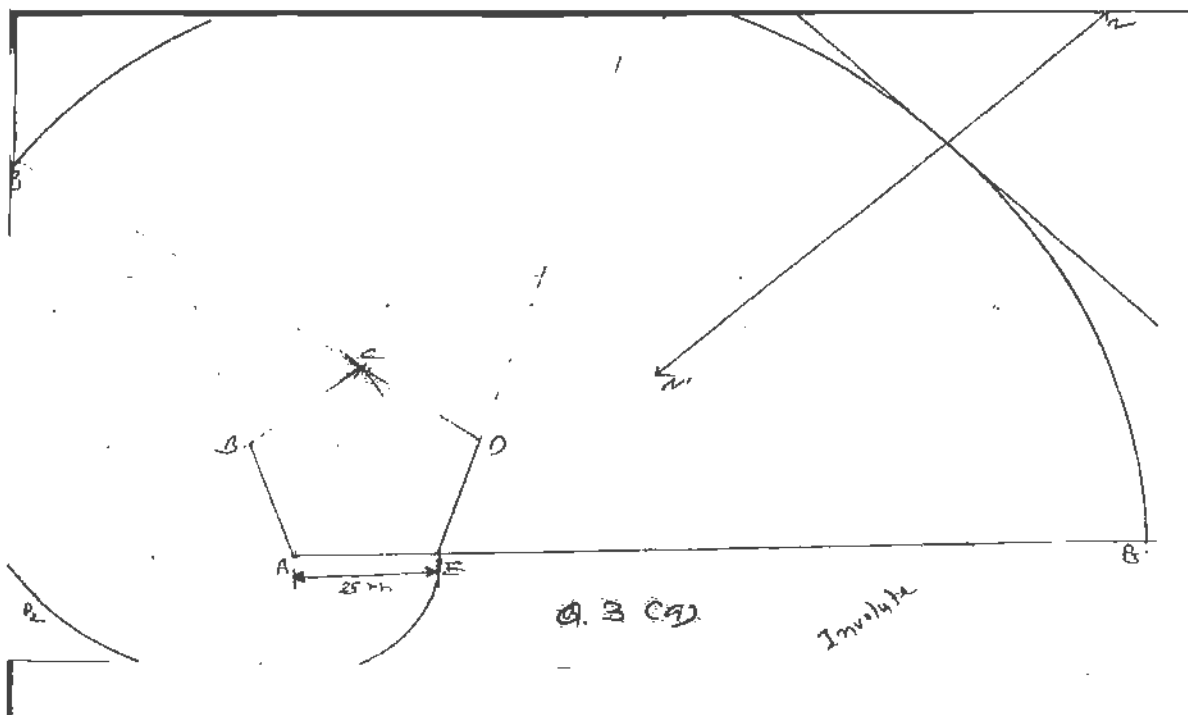
Q. 2. (a)

Ans.

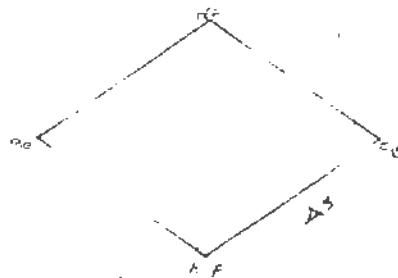
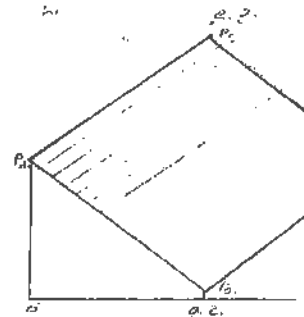
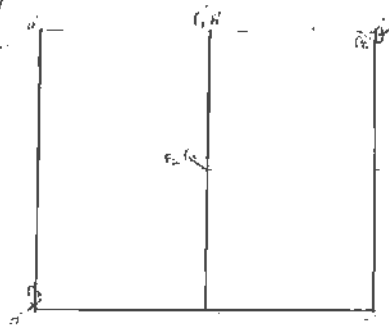
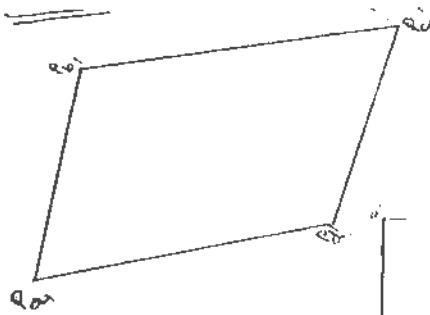
Q. 2 (b)



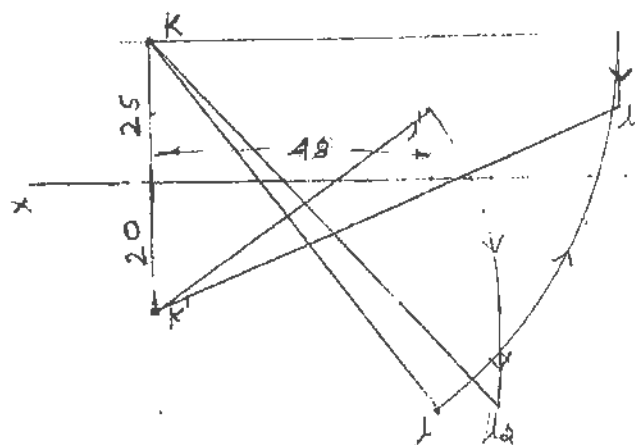
Inclinations with HP  $\theta = 30^\circ$   
 Inclinations with VP  $\phi = 45^\circ$



Q. 3 (c)



Q. 3 C k



Locus g k


Locus g l'

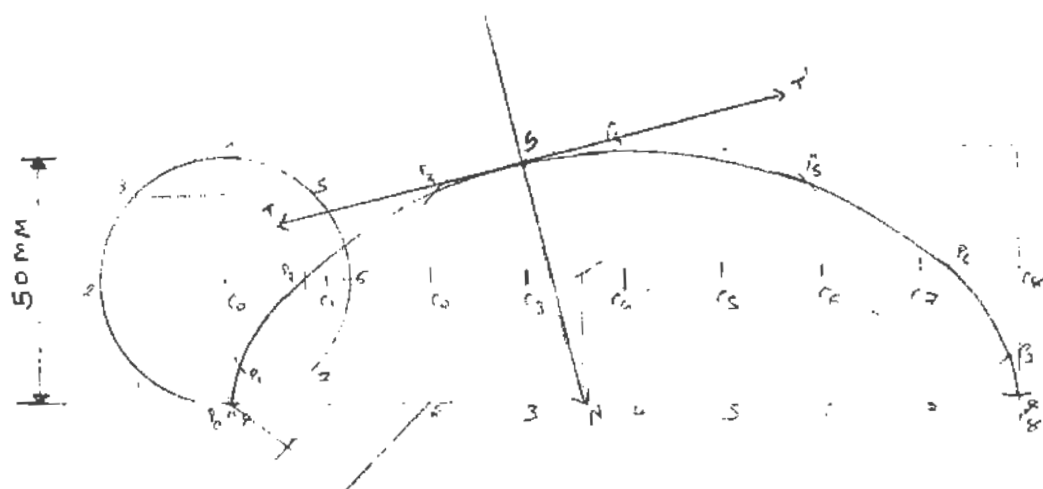
Locus g k'

Locus l

$$KJ_2 = 87 \text{ MM}$$

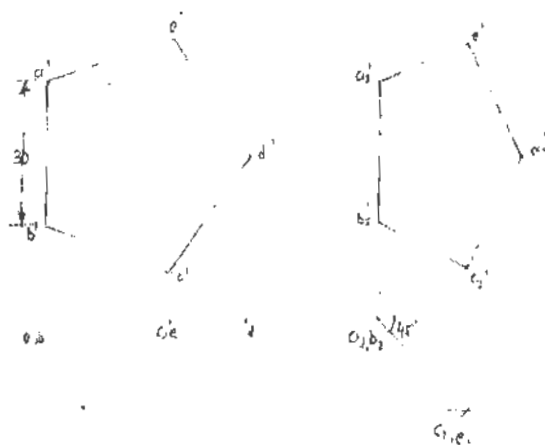
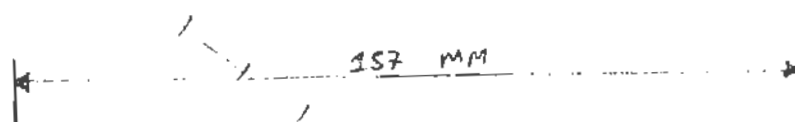
$$T.L. = 87 \text{ mm}$$

Q. -   
ACW

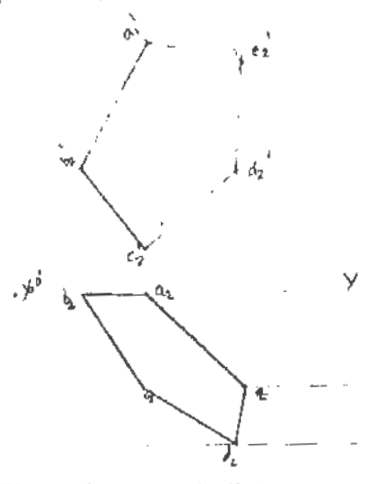


Q. 4(b)

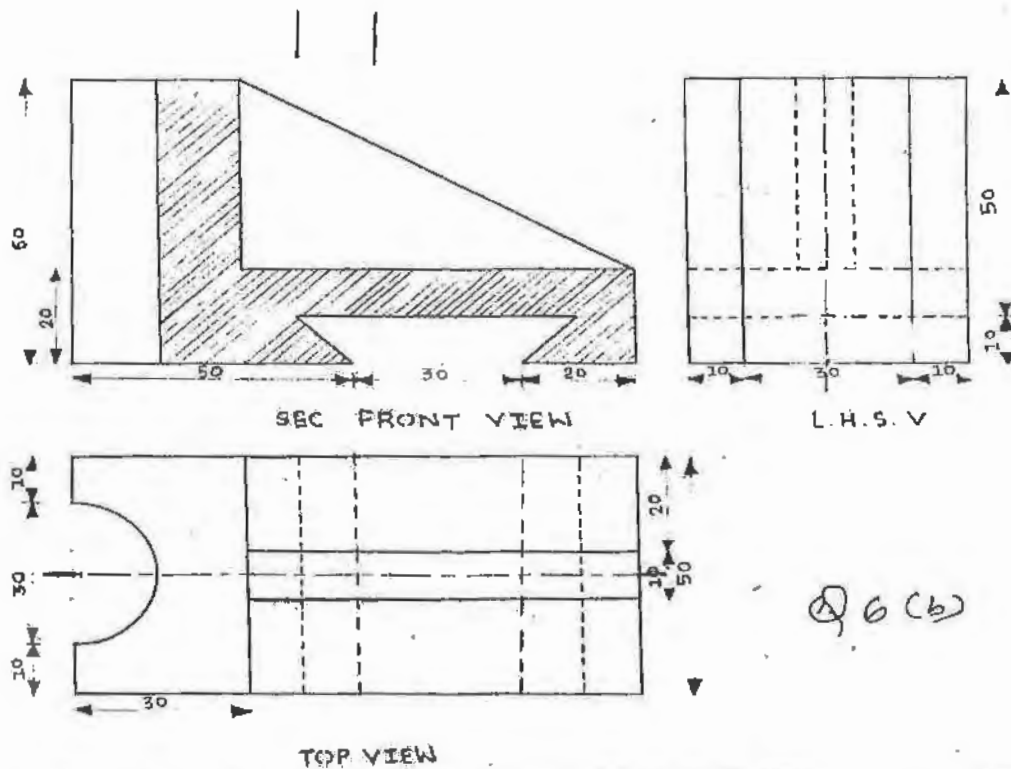
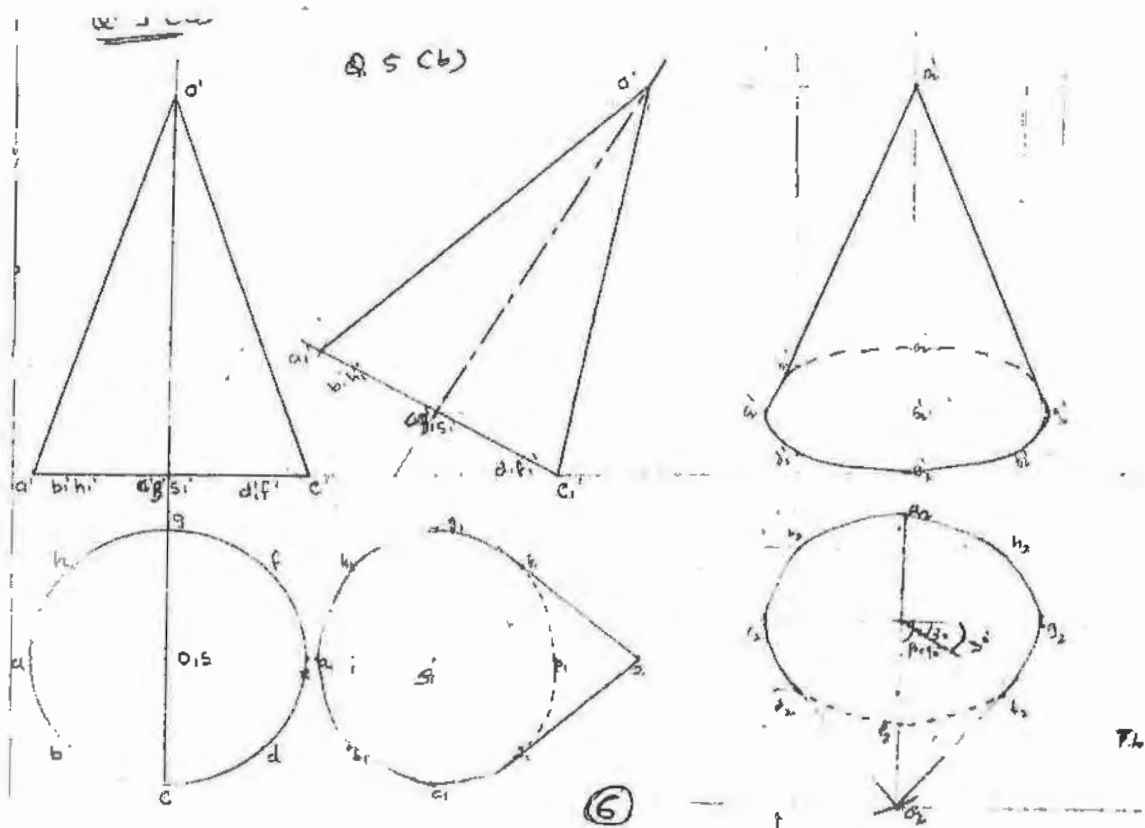
$r = 25$   
 $TD = 157 \text{ mm}$

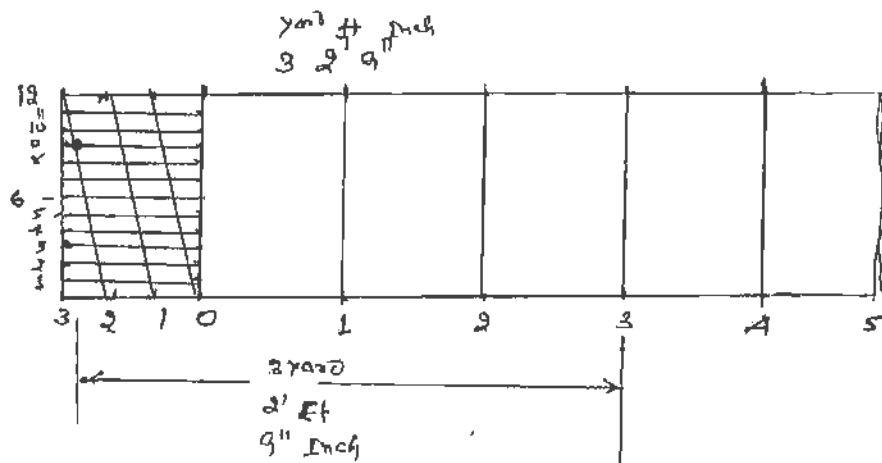


Q. 5 (a)



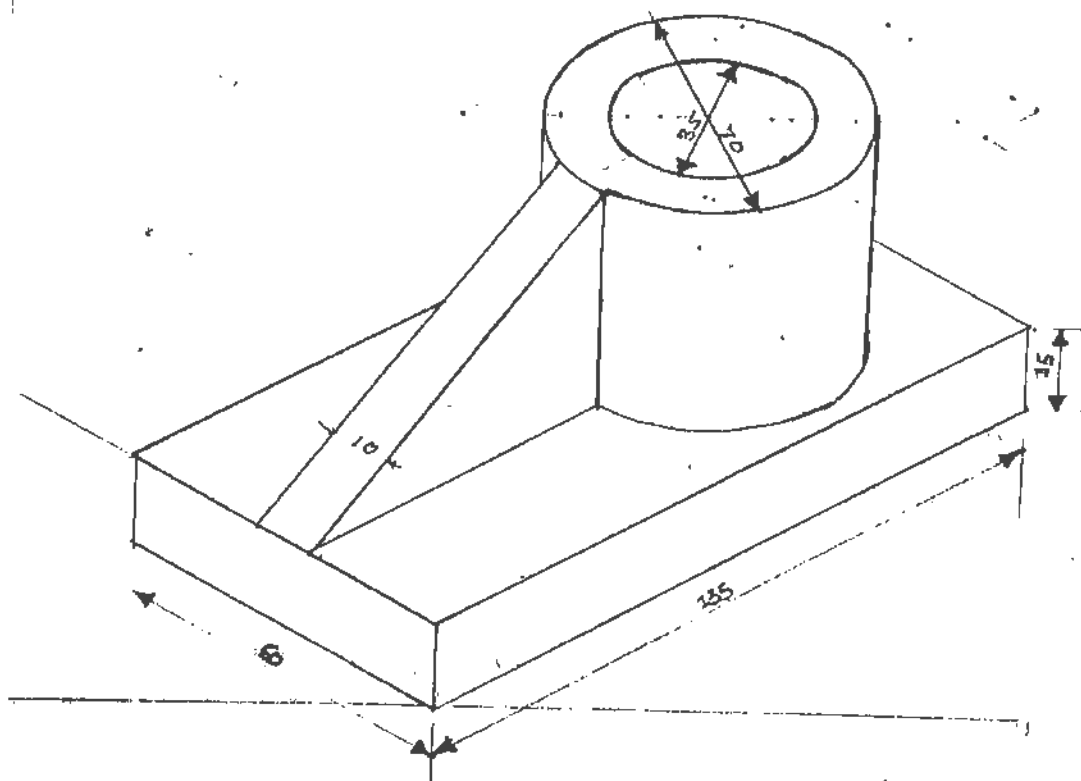
(b)





Area 7 (a)

$$\begin{aligned}
 \text{Seal.} &= \frac{1}{36} \times 57 \\
 \text{length} &= \frac{1}{36} \times 5 \times 3 \times 12 \\
 &= 5"
 \end{aligned}$$



⑧

Q 7. (b)