
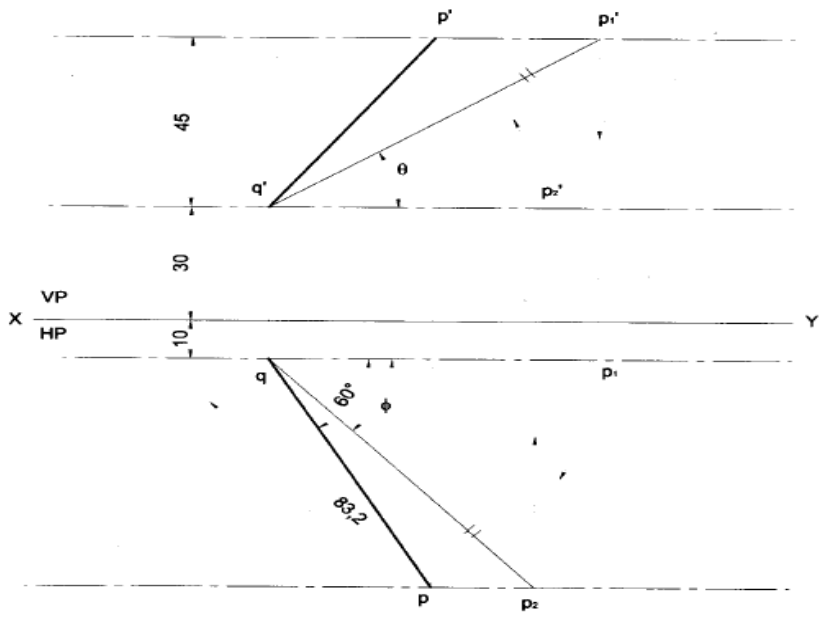


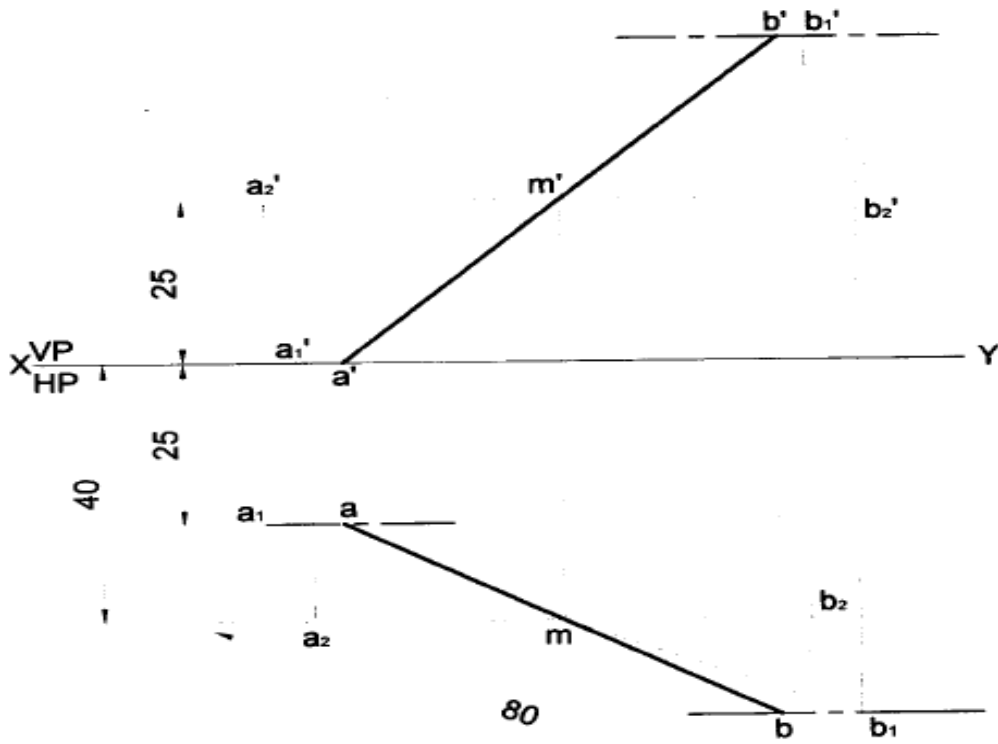
USN	1	P	E							
	PESIT Bangalore South Campus Hosur Road (1km before Electronic City), Bengaluru -560 100 Department of Basic Science and Humanities									

CONTINUOUS INTERNAL EVALUATION TEST -1		
Date	: 28-02-18	Marks: 60
Subject & Code:	CAED & 17CED24	Section: F
Name of faculty	: Varun M	Time : 8:15am – 9:45am
Note: ANSWER ANY ONE QUESTION FROM EACH PART		
PART 1 (Only sketching)		
1	<p>A point P is 25 mm above HP & 20 mm in front of VP. Point Q is on HP & 30 mm behind VP. Distance between their projectors measured parallel to line of intersection of VP and HP is 50 mm. Find the distance between top & front views of points P and Q.</p> <p style="text-align: center;">OR</p> <p>2 points P & Q are on HP. P is 30 mm behind VP, Q is 50 mm in front of VP. Line joining their top views makes 40° with XY line. Find horizontal distance between their projectors parallel to XY line.</p>	Marks 10
PART 2 (Only sketching)		
2	<p>A straight line AB measuring 80 mm long has end A in HP and 25 mm in front of VP. Its mid-point M is 25 mm above HP and 40 mm in front of VP. Draw the projections of the line and find the inclination of the line with HP and VP.</p> <p style="text-align: center;">OR</p> <p>The top view PQ of a straight line is 70 mm and makes an angle of 60° with XY line. The end Q is 10 mm in front of VP and 30 mm above HP. Difference between the distances of P and Q above HP is 45 mm. Draw the projections and find true length and true inclinations with VP and HP.</p>	20
PART 3 (sketching and drafting)		
3	<p>An isosceles triangular plane of negligible thickness has base 25 mm long & altitude 35 mm. It is so placed on HP such that in the front view it is seen as an equilateral triangle of 25 mm side with the side that is parallel to VP is inclined at 45° to HP. Draw its top & front views. Also determine the inclination of the plate with the reference plane.</p> <p style="text-align: center;">OR</p> <p>A Triangular lamina of 25 mm sides rests on 1 of its corners on VP such that the median passing through the corner on which it rests is inclined at 30° to HP and 45° to VP. Draw its projections.</p>	30 (12+18)

2.



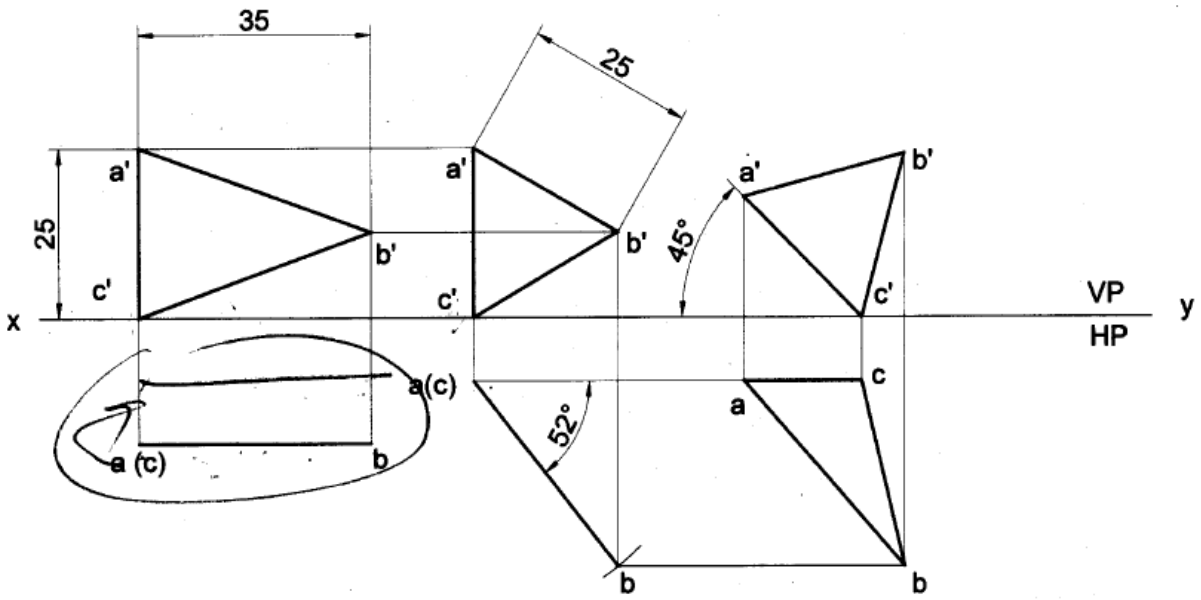
ANSWERS :
 $\theta = 33^\circ$
 $\phi = 47^\circ$
 $qp_2 = 83$



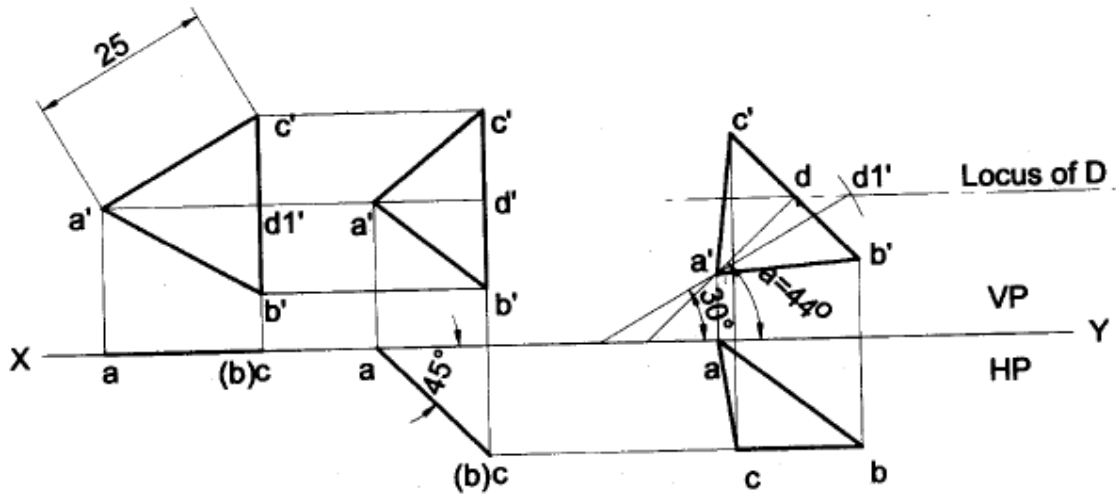
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3.



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(12+18)



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