



LABORATORY WORK SHEET

Name of the Student :
Class : Btech CSE Semester : I
Course Code : AME003 Course Name : Engineering Graphics
Name of the Course Faculty : Faculty ID :
Exercise Number : 8 Week Number : 8 Date : 20-12-23

DAY TO DAY EVALUATION:

Marks	Aim / Preparation	Algorithm / Procedure	Source Code	Program Execution	Viva - Voce	Total
		Performance in the Lab	Calculations and Graphs	Results and Error Analysis		
Max. Marks	4	4	4	4	4	20
Obtained	4	4	4	4	4	20

Signature of Faculty

START WRITING FROM HERE :

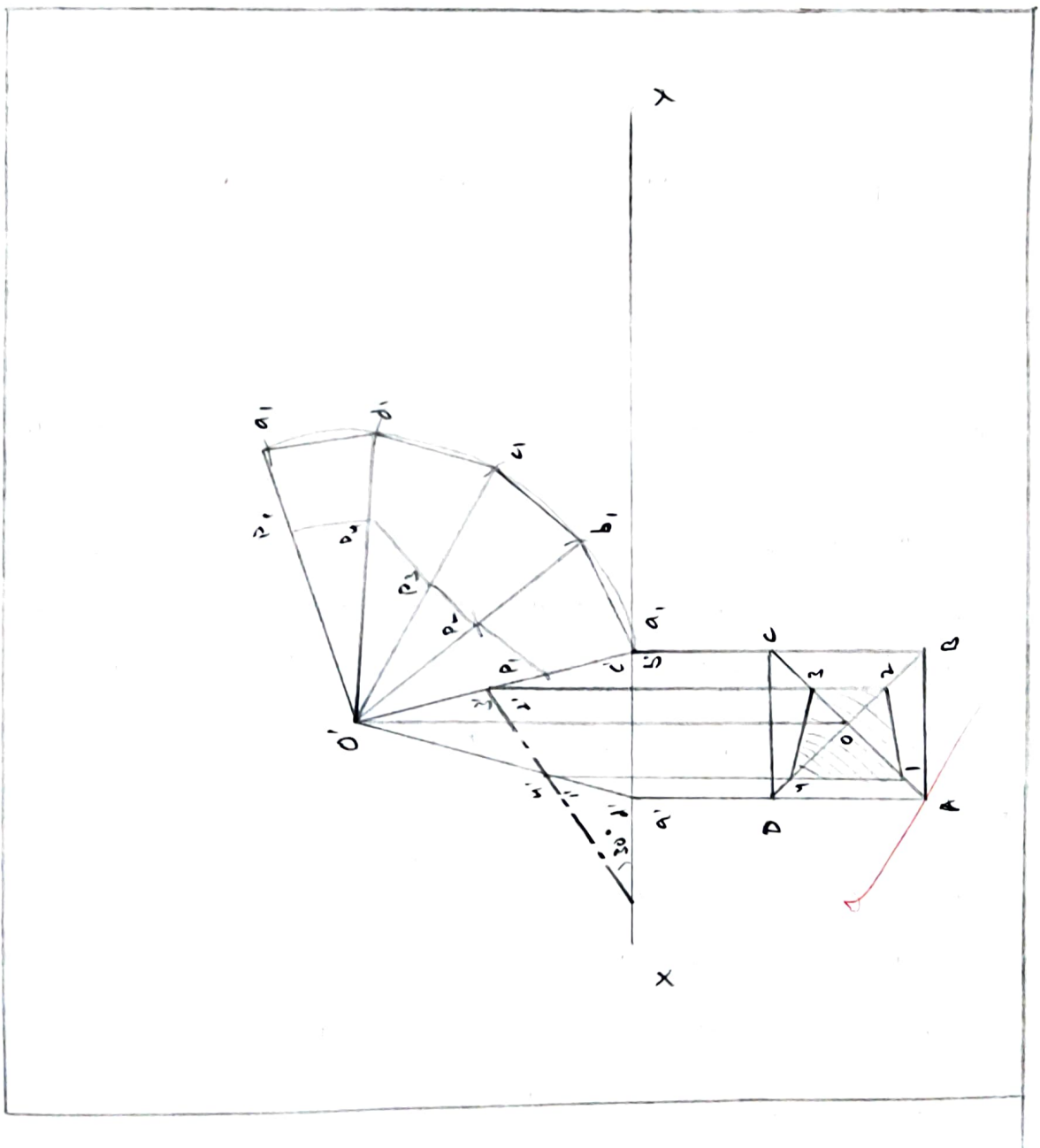
Q. A square pyramid of base side 25mm and altitude 30 mm such on its base on the HP with 2 sides of the base parallel to the VP. It is cut by a plane bisecting the axis and inclined at 30° to the base. Draw the development of lateral surfaces of the lower part of the cut pyramid.

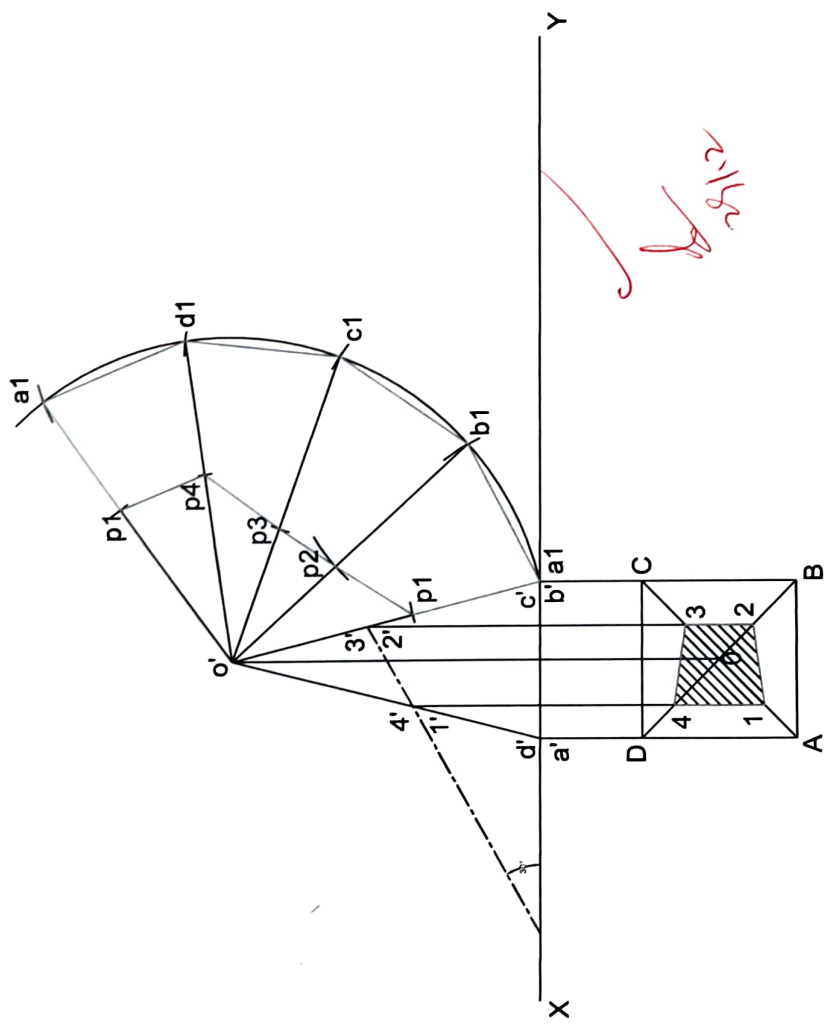
Apparatus : Mouse, Laptop, AutoCAD

Procedure :

1. Draw an XY plane.
2. Draw a square of 25 mm below the XY plane ABCD.
3. Project the edges of the square on the XY plane a'd'b'c'.
4. Take 50mm above XY plane O' and join O' & a', c'.

5. Draw an intersection line 40° to HP
6. Draw lines from $4'$ to $4, 1$ & $2', 3'$ to $2, 3$.
7. Join $1, 2, 3, 4$ and Hatch.
8. Draw an arc from a_1 with radius $a_1 a_{11}$.
9. Make triangle of base 25 on arc.
10. Cut the projected 4 triangles by seeing main triangle.
11. And name P_1, P_2, P_3, P_4, P_5 .





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Experiment :	08
Date :	20 December 2023