

### LABORATORY WORK SHEET

Name of the S	Student :			· · · · · · · · · · · · · · · · · · ·		
ClassB.H	ich (SF	Roll Number				
Course Code	AMEDO3	Course Name :	Sincering Graphis			
Name of the C	Course Faculty	Faculty ID :				
Exercise Num	ber : 0 6	Week	Date :			
DAY TO DAY	EVALUATION					
Marks	Aim /	Algorithm / Procedure	Source Code	Program Execution	Viva -	

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	* 13 <b>4</b> (3) 1	y <b>4</b>	4	4	4	20	
Obtained							

Signature of Faculty

#### **START WRITING FROM HERE:**

\* sections of pyramids

Aim: To draw a section plane parallel to the base of the pyramid.

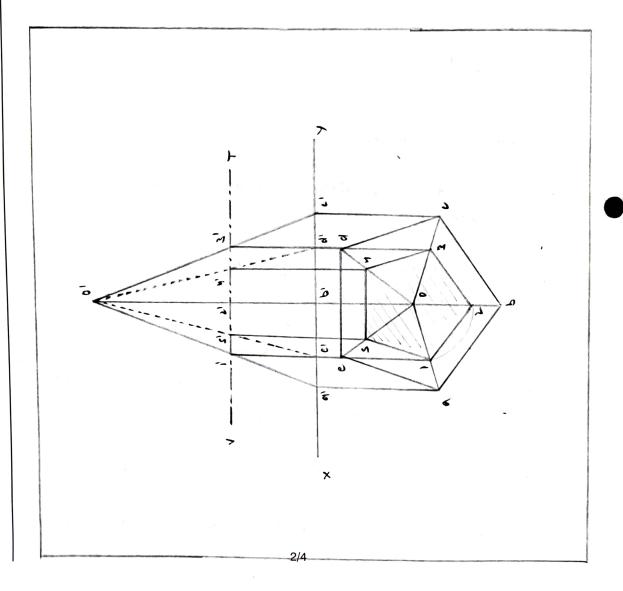
Apparatus: Laptop, mouse, Auto (AD

# Procedure 1

- i) Draw the projections of the pyramid in the required position and show a line v.T. for the Section plane, parallel to and 25 mm above the base. All the five sland edges are cut.
- ii) Project the points at which they are cut, on corresponding edges top view. in Th Tu point projected directly as th line ob 17 perpendicular 11 quik 1/4 evident from the projections

other points that the lines of the section in the top view are parallel to the edges of the base.

- Tii) Hence, line 1-2 also will be parallel to 9b and 02 will be equal to 01, 03, etc. Therefore with 0 as centre and radius 01, draw an are cutting ob at point 2 which will be the projection of 2'. Complete the sectional top view in which the true shape of the section is also seen.
- in Hence, when a pyramid is cur by a plane parallel to its base, the true snape of the section will be figure, similar to the base; the sides of the Section will be parallel to the edges of the base in the respective faces and the corners of the section will be equidistant from the axis.



#### **ROLL NUMBER:**

\* Projections of solids

Aim: To draw the projection of a hexagonal prism cut by a vertical section plane HT making angle us with xy.

Apparatus: Laptop, Mouse, AutocAD

# Procedure :

- is Draw the front view and the top view of the prism and show the H.T of the section plane in the topview. Name in proper sequence, the points at which the lines cut.
- ii) Project thm on the corresponding lines in the front view. The positions of points 4 and 5 cannot be located directly. Hence, project them on the first top view the, on et and 5, on ed. From this top view, obtain their positions 4's and 5', on the eoversponding lines in the first front view. As the two, tront views are identical, these points can now be transferred to the second front view by making e'4' equal to e'4', and e's' equal to e'5', 4' and 5' are the projections of points 4 and 5 vespectively. Complete the sectional front view as shown
- explained in problem 14-3, making 0"1" equal to o'1', etc

