

1. Exercise: 9 Week - 9

2. Date: 09 | 12 | 2020

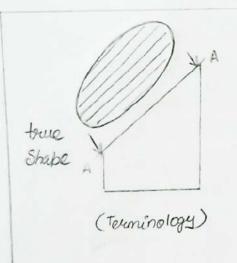
Section of Solids 3. Title

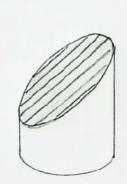
To draw orthographic mulleview projectors of sectioned solds. 4. Alm

AutoCAD - 2020 5. Software used:

6. Introduction: Advanced 3D part modelling software

A sectional view or a section looks like inside of the object. Sections are used to clarify the Enterior constructor of a part that cannot be described by booking at the object or by the hidden lines in exterior views. By taking an imaginary cut through the object and removing a portion, the inside features can be seen [3D part sketch] more clearly.





Exhaust Pipe (Real time example)

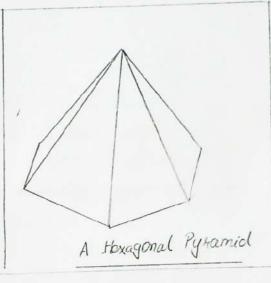


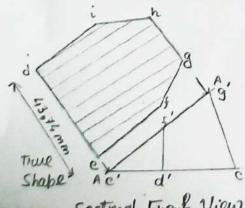
Fig. 3D part model

Procedure (for solving question #

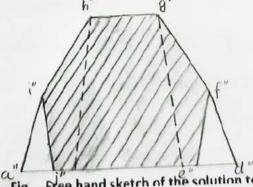
7.1 Question outline

7.2 Object

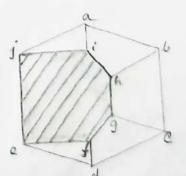
pyramid To draw the multiview projection of a hexagonal, Pyramid with base 30 mm and axis 65 mm long resting on its base on ground-



Sectional Frenk View



etch of the solution to question # Sectional Side View



sectional top view



7.3 Procedure

Step 1.

Set Units, Limits and 200m to workspace.

Step 2. Draw Hexagonal Pyramid with base 30 mm and axis 65 mm long. Then draw line of 25 mm from orbex to down. Step 3. Draw a line & rotate 45° & move in such except that it cut hexagonal pyramid and touch 25 mm line from apex. Step 4. Draw the section solid by shoosing the line and generate in 3D and draw the true shape.

Step 5. View in the layout the different views.

8. Commands/ tools/ features used:

S.N.	Command/ tool/ features	Use
1.	UNITS	To set precision to 0
2.	LIMITS	To set boundaries of work space.
3.	ZOOM	To zoom to required space.
4.	PYRAMID	To draw pyramid of required
		To draw pyramid of required measurements:
5.	LINE	
6	Section Plane	To draw line of required measure. To make line to a section plane.
7.	ROTATE	To retute to certain angle
8.	DIMENSIONS	To mention the dimensions
9.	TEXT	To input text in figures.
		J //

9 Result

Using the above commands and following the above frocedures, the orthographic multiview sections of hexagonal pyramid is successfully created.

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Signature		Marks	