

1. Exercise: 5

2. Date: 15/11/2020

3. Title : Projection of solids

4. Alm : To draw the orthographic multi-view projection of solid prisms/ cylinders. pyramids/ cones

AUTOCAD - 2020 5. Software used:

6. Introduction: Prisms and Cylinders:

* A Prism is a solid object with identical ends, flat faces and the same cross section all along its edge lengths

* A cylinder is a closed solid that has him hurallel bases connected by a curved surface.

6.1 Terminology (pyramid with sketch):

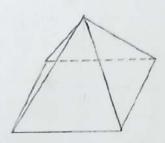


Fig.

6.2 Real time example - Picture Wires

A fuctory chimney

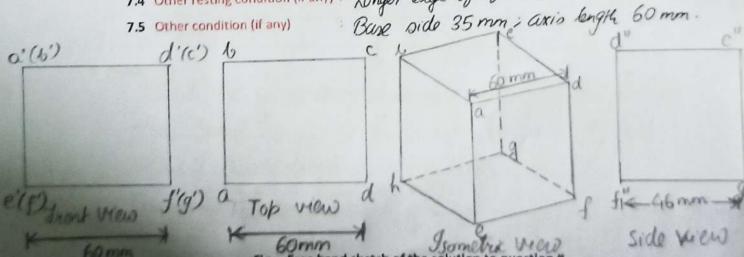
7. Procedure (for solving question #

Draw projectar of a rquare prism 7.1 Question outline

Square prism 7.2 Object

Base on Horizontal Plane 7.3 Resting on Conditions

Longer edge of square frism is parallel to wall 7.4 Other resting condition (if any) :





7.6 Procedure:

Step 1.

Using the workspace switching, change drafting into 3D model.

Step 2: Change units - pracision to 0 and scale to millimeters and

specify limits to (0,0) and (400,400)

Step 3: Using lines and ortho command draw rectargle of 35 mm × 35 mm.
Step 4: Using boundary command, select the boundary of rectargle.

Step 5: Use 'extructe' command to specify the height of rectargle.

Step 6: From view option, form Model Space and thus select

the square and give a layout names be paste FV, TV, SV and ISW resp.

8. Commands used:

S.N.	Command	Use		
15	Units	To set precision and insertion scale		
2}	Limits	To specify limits of drawing space.		
3>	Lines	To specify limits of drawing space. To draw lines at any angle.		
	Ortho	To draw straight lines:		
5>	Boundary	To set boundary of selected object		
	V	in 2D State.		
6>	Extrude	To specify projection height		
20	Text	To specify fregeton height To add text and annotations		
,		to object.		
		V		

9. Result:

With the above commands and procedures followed, the Front View, Top view, Side view and Gometric Wew of the rectangle is succeptfully created.

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Signature		Marks	