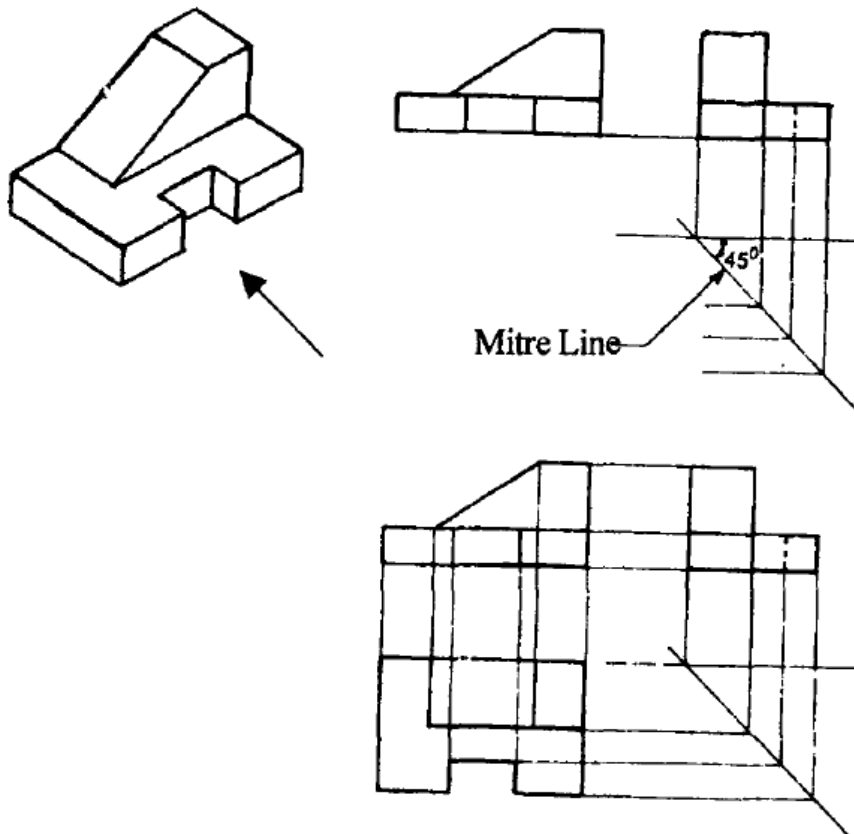


Lecture 03

Development of Missing Views:

When two views of an object are given the third view may be developed by the use of mitre line as described in the following example.



(a) To develop the right side view from the given front and top views;

1. Draw the given front and top views.
2. Draw projection horizontal lines to the right of the front view.
3. Draw a horizontal reference line at any convenient distance from the top view.
4. Draw a mitre line at 45° as shown in figure 3.
5. Through the points of intersection between the mitre line and the above projection lines from top view, draw vertical projection lines.
6. Join the points of intersection after imagining the isometric drawing to get the side view.

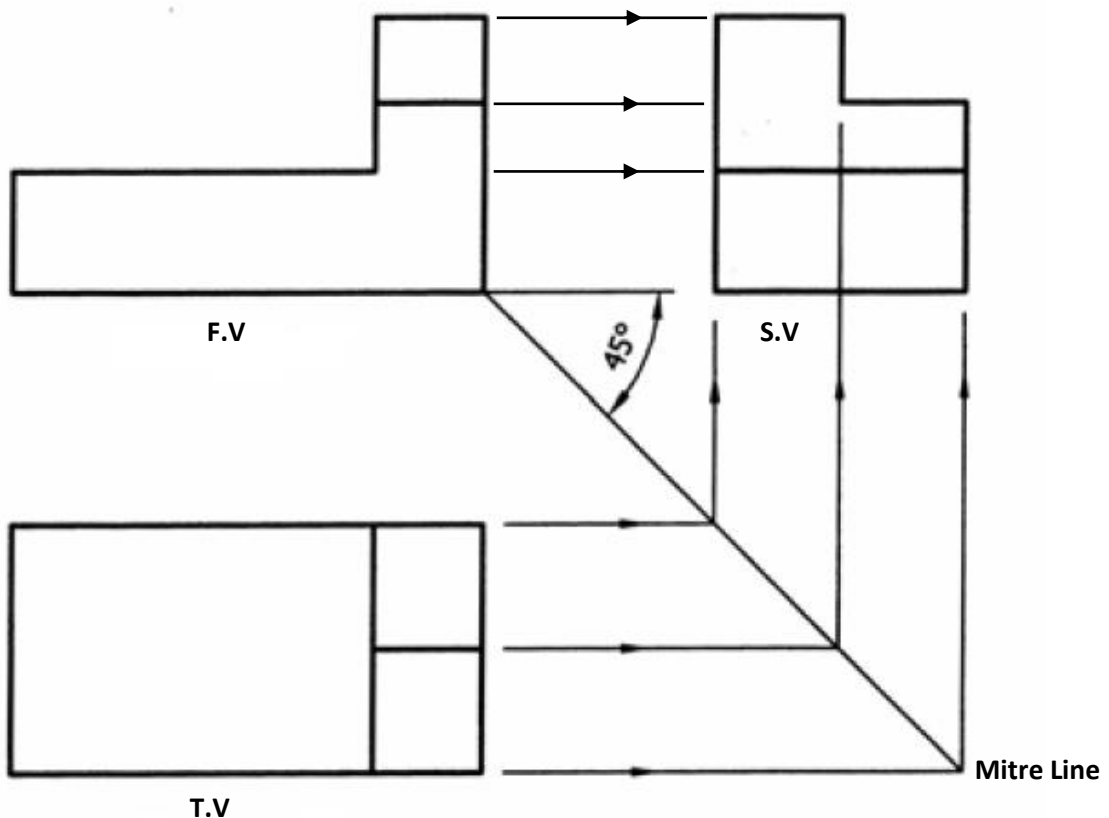


Figure 3. Missing view (side view)

(b) To develop the top view from the given front and side views;

Same steps discussed above just we need to flip direction of projection arrows as shown in figure 4.

Note: it's very important to try imagining and sketch isometric object (figure 5) using free-hand sketch before drawing missing projection for both cases (a),(b).

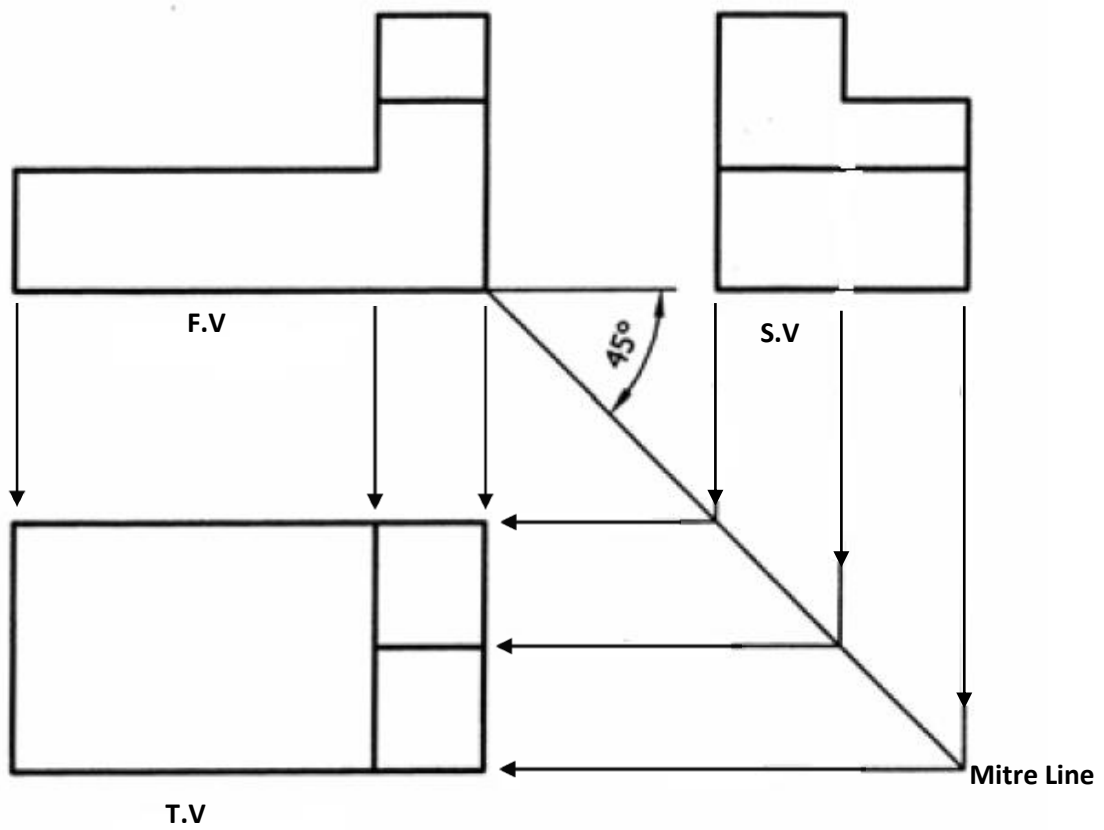


Figure 4. Missing view (Top view)

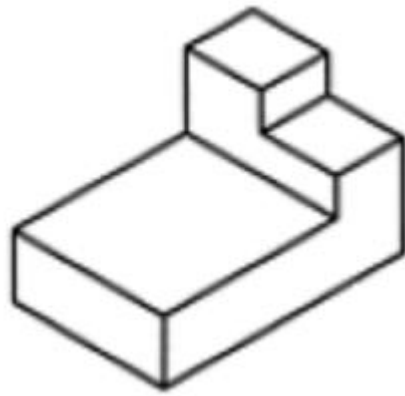


Figure 5. Isometric object