Unit-5, Part-2: Orthographic Conversions
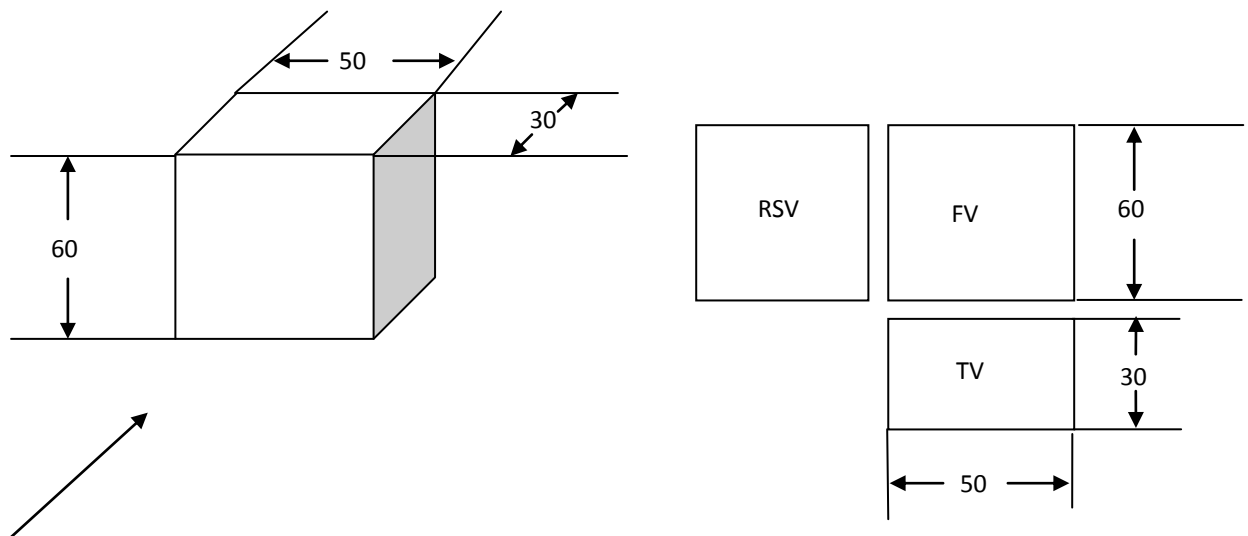
Concept of Orthographic Conversions:

In orthographic conversions, an object will be given in its isometric view along with its dimensions. It is required to draw the three views for this solid.

The three views are Front View (FV), Top View (TV) and Side View (SV).

In side view, two side views are possible. They are the left side view (LSV) and the right side view (RSV).

The convention to be followed while drawing these views are as follows:

1. Identify the FV from the given arrow mark. (➚).
2. Below the FV, draw the TV.
3. From the arrow given, identify if the left side view is visible or right side view.
4. Left side view is to be drawn on the right side of the front view and the right side view is to be drawn on the left side of the front view.
5. Give dimensions to FV, TV and SV.

Note: All the three views have to be drawn in the above shown order only. The views shouldn't be shown separately on a horizontal plane one beside the other.

If LSV is to be drawn, it is to be shown on the right of the front view.