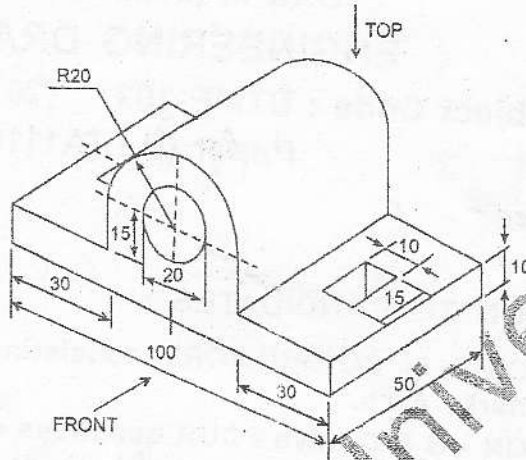


SECTION-B

2. Draw the Front view and Top View of the given object in the indicated directions.



3. Draw the projections of the following points :
- Point A 25 mm in front of VP and 30 mm above HP.
 - Point B 30 mm behind VP and 25 mm below HP.
4. The length of the top view of a straight line AB parallel to VP and inclined at 45° to HP measures 60 mm. Its end A is 10 mm above HP and 25 mm in front of VP. Draw the projections and determine the true length of the line AB.
5. Draw the projection of a cube of 25 mm edge when it is resting on one of its corners of base in such a way that the base makes an angle of 45° with the HP and the vertical edges of the cube remains parallel to V.P.

SECTION-C

6. A cylinder of 40 mm dia and 60 mm long is lying in such a way that its axis makes an angle of 30° to VP. It is cut by a horizontal sectional plane perpendicular to VP and at a distance of 10 mm from the axis. Draw its projections showing the sectional plan.
7. A vertical cylinder of 50 mm dia and height 70 mm standing on its base is HP is completely penetrated by a horizontal cylinder of 40 mm dia and 70 mm long such that their axes bisect each other at right angles and are parallel to V.P. Draw the curves of penetration in the front view.
8. A square pyramid of base edge 25 mm and height of its axis 50 mm in resting in HP in such a manner that its base edge makes an angle of 45° with V.P. Develop the surface of the pyramid.
9. Draw the isometric view of the two solids when one of them a cylinder of 20 mm dia and 40 mm long is lying on its side and the other is a cube of 20 mm edge resting on one of its corners of base in such a way that the base makes an angle of 45° with the HP and the vertical edges of the cube remains parallel to V.P.