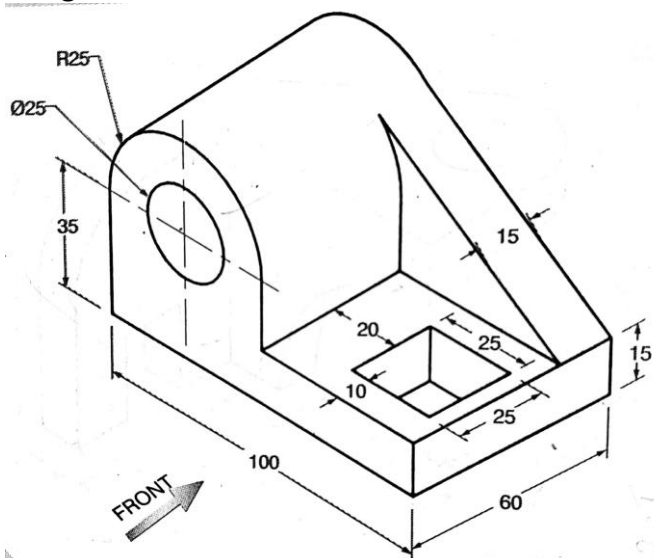




4. a A cone of base diameter 50 mm and axis length 75 mm, resting on HP on its base is cut by a plane inclined at 45° to HP and perpendicular to VP and is bisecting the axis. Draw the front view and sectional top view and true shape of this section. L3 4 20

Or

- b A pentagonal prism of base side 30 mm and axis length 60 mm is resting on HP on its base with a side of parallel to VP. It is cut by a plane inclined at 35° to HP and meets the axis at a distance of 35 mm from the base. Draw the development of the lower portion of the prism. L3 4 20

5. a Draw the isometric view of a frustum of square pyramid of height 60 mm, base 40 mm and top base 20 mm. The frustum is resting with its base on HP. L3 5 20

Or

- b A circular lamina of 45 mm diameter lies on the ground plane and touches the picture plane. The centre plane passes through the centre of the circle. Station point is 70 mm in front of picture plane and 60 mm above the ground plane. Draw the perspective view. L3 5 20