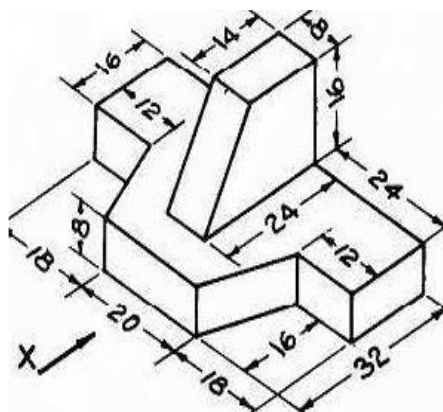




4. a A cube of side 30 mm rests on the HP on one of its faces with a vertical face inclined at 45° to the VP. It is cut by a plane perpendicular to the VP and inclined at 30° to the HP and meeting the axis at 25 mm above the HP. Draw the front view, sectional top view and the true shape of the section.

Or

- b A Pentagonal pyramid of base 25 mm side and height 65 mm stands with its base on the HP such that one of the base edges is parallel to the VP. It is cut by a section plane perpendicular to the VP and inclined at 30° to the HP, bisecting the axis. Draw the development of the surface of the cut solid.

5. a A hexagonal pyramid of base side 30 mm and height 60 mm rests on its base on HP with two of its base edges perpendicular to VP. It is cut by a plane perpendicular to VP and inclined at 25° to HP, meeting the axis at a point 25 mm above the base of the pyramid. Draw the isometric projection of the truncated pyramid.

Or

- b A square pyramid of base side 50 mm and height 75 mm rests with its base on ground such that the nearest edge of the base is parallel to picture plane and 30 mm behind it. The station point is 70 mm in front of the picture plane, 60 mm to the right of the axis of the pyramid and 50 mm above the ground. Draw the perspective view of the pyramid.