

(OR)

- b) A cylinder of diameter 50 mm and height 60 mm rests on its base on HP. It is cut by plane perpendicular to VP and inclined at 45° to HP, meets the axis at a distance of 15 mm from the top. Draw the sectional plan and true shape of the section. 20 K3 CO3

4. a) A pentagonal pyramid of base edge 25 mm and height 60 mm rests vertically on its base on the HP such that one of its base edge parallel to VP. It is cut by a plane, inclined at 60° to HP and passes through a point 35 mm from the apex. Draw the development of the lateral surface of the pyramid. 20 K2 CO4

(OR)

- b) A cone of base diameter 40 mm and slant height 60 mm is kept on the ground on its base. An AIP inclined at 45° to the HP cuts the cone through the midpoint of the axis. Draw the development of surface. 20 K2 CO4

5. a) Draw the isometric view of a hexagonal pyramid of side of base 30 mm and height 75 mm, when it is resting on HP such that an edge of the base is parallel to VP. 20 K1 CO5

(OR)

- b) For the object shown in figure 1. Draw free hand sketching of
- i. Front view [7 Marks]
 - ii. Top view and [7 Marks]
 - iii. Left hand side view. [6 Marks]

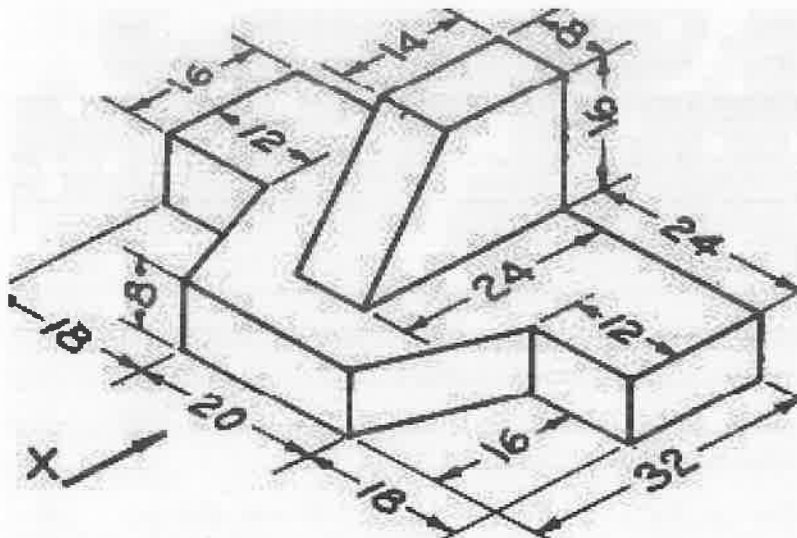


Figure 1.
All Dimensions are in 'mm'.