

Q1: Sketch the following lines used for

- | | |
|-----------------------|-----------------|
| (a) Hidden Edges line | (b) Centre line |
| (c) Construction line | (d) Outline |
| (e) Dimension line | |

Q2: Figure 1 shows a cube of side 40 mm placed in 1st quadrant. The base of cube is parallel to the HP, placed at 20 mm above the HP and the rear face of the cube is parallel to the VP, placed at 10 mm in front of VP. Draw the front and top view of the following:

- 1) Point C.
- 2) Line C3.
- 3) Top face ABCD
- 4) Cube

Q3: Figure 2 shows a regular hexagonal prism of side 30 mm and height 50 mm resting on its base on the HP and one side of its base is perpendicular to the VP. Draw the front and top view of the following:

- 1) Mid-point of line AF
- 2) Line CD
- 3) Plane ABCDEF
- 4) Regular hexagonal prism in the said orientation.

Q4: Figure 3 shows a regular square pyramid of side 30 mm and height 50 mm resting on its base on the HP and the edges of the base are equally inclined to the VP. Draw the front and top view of the following:

- 1) Apex (Point O).
- 2) Line AO
- 3) Plane ABO
- 4) Square pyramid in the said orientation.

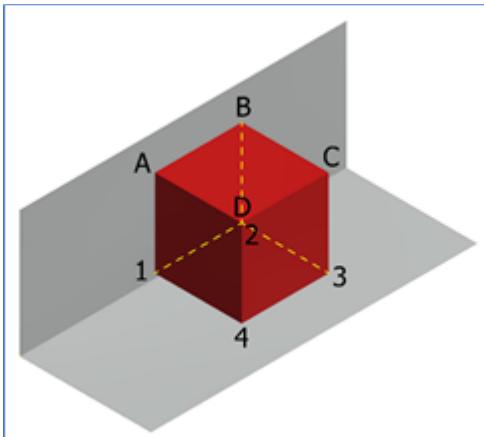


Fig. 1

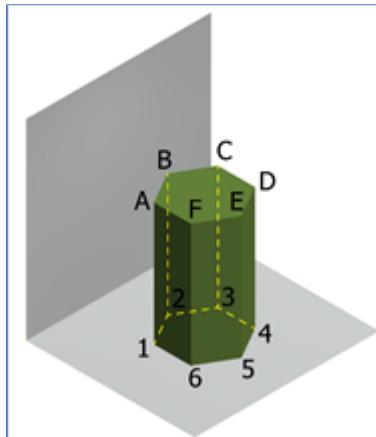


Fig. 2

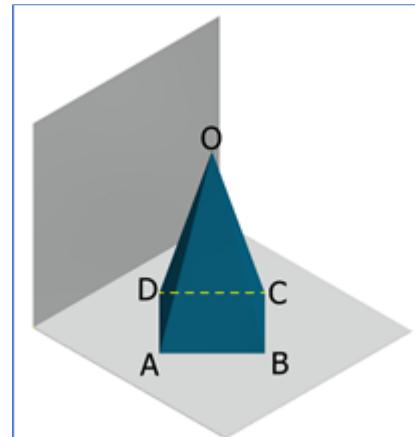
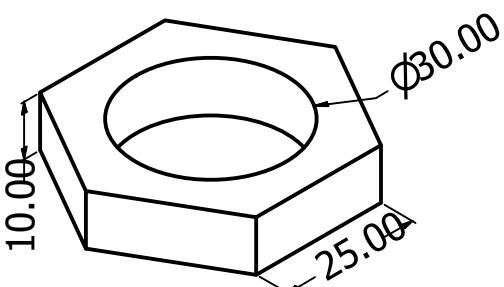
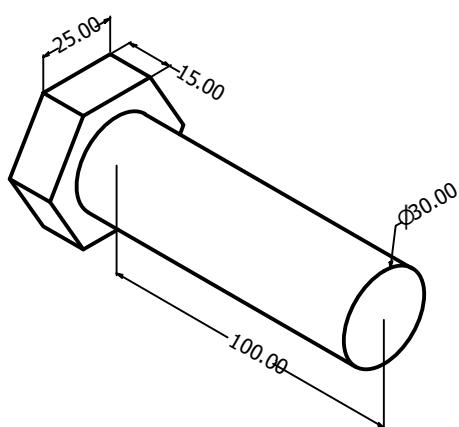
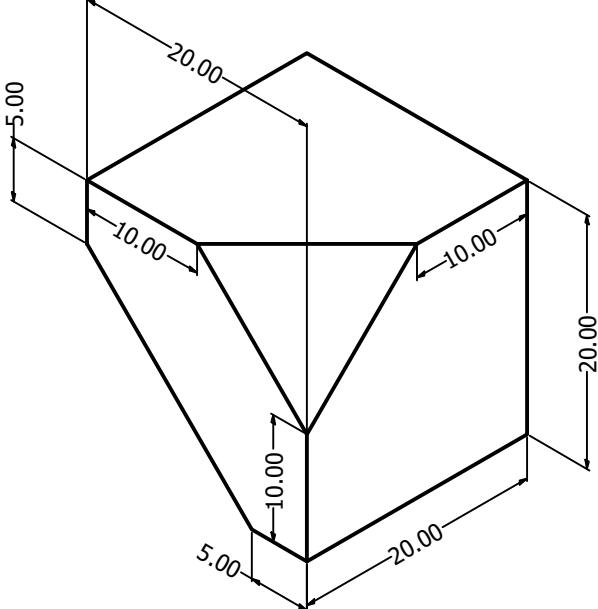
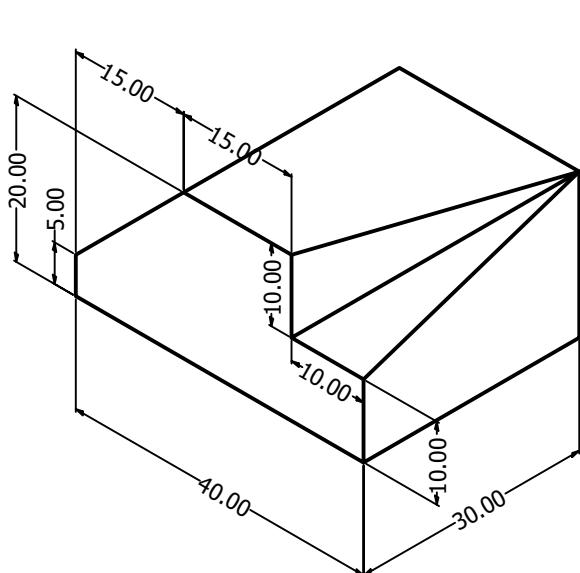
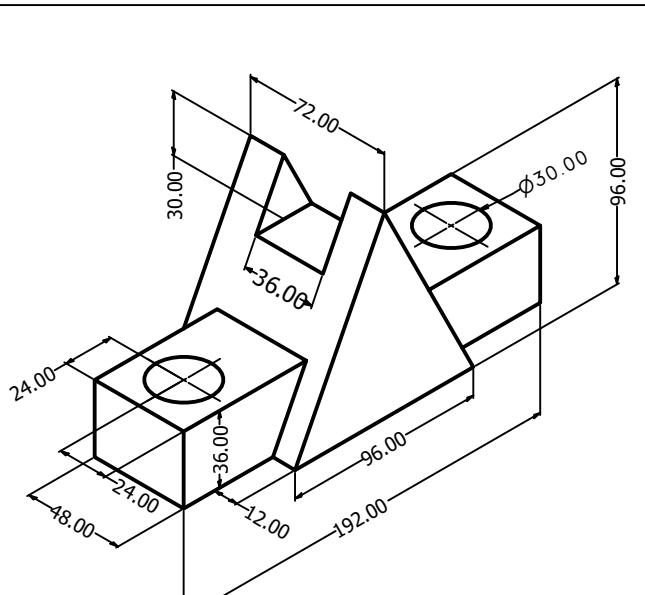
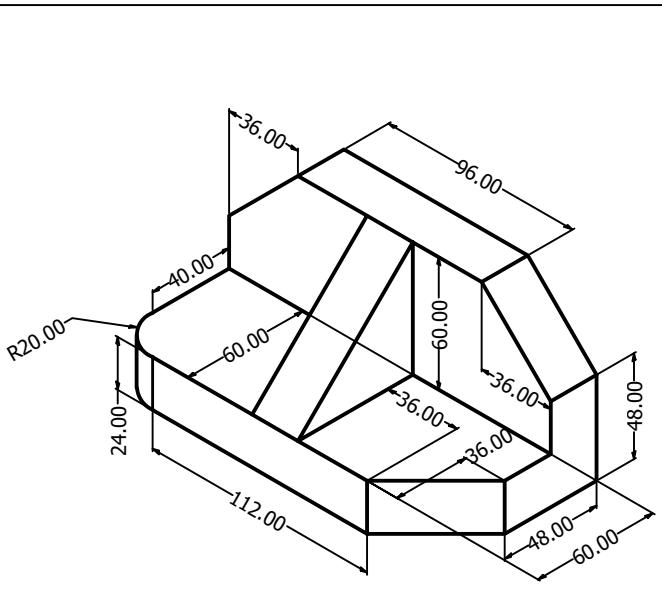


Fig. 3

Q5. Draw the orthographic views of the following objects.



ALL DIMENSIONS ARE IN MM