

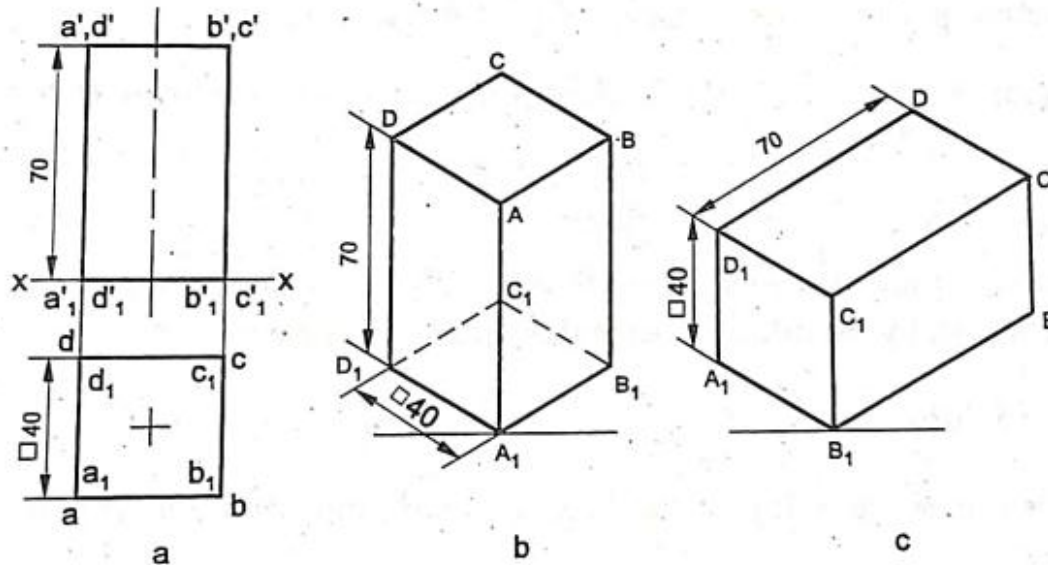


23ESC113– Engineering Graphics

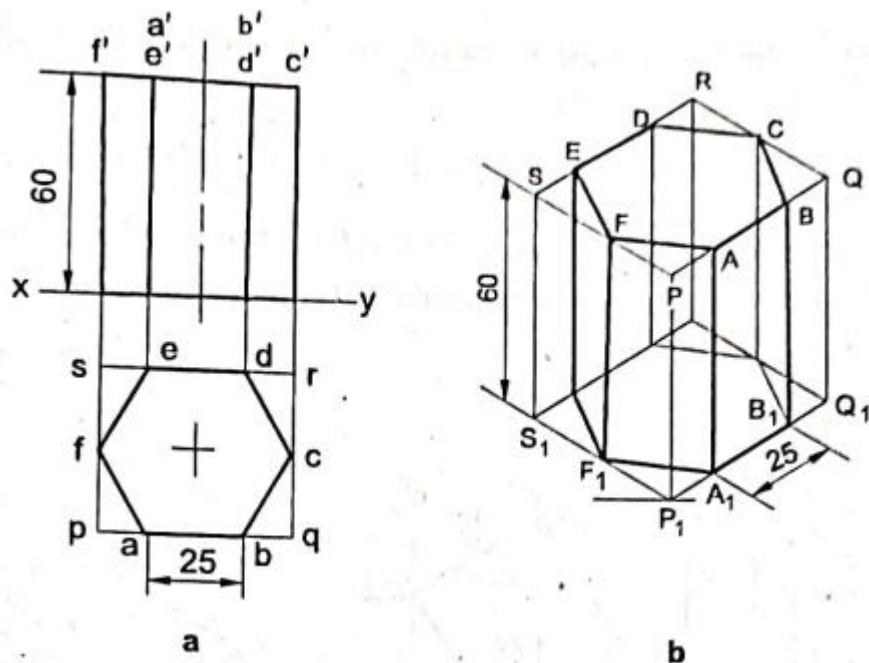
Unit – V

ISOMETRIC PROJECTIONS AND ORTHOGRAPHIC PROJECTIONS

1. Draw the isometric view of a square prism, with side of base 40mm length of axis 70 mm, when its axis is (i) vertical and (ii) horizontal.

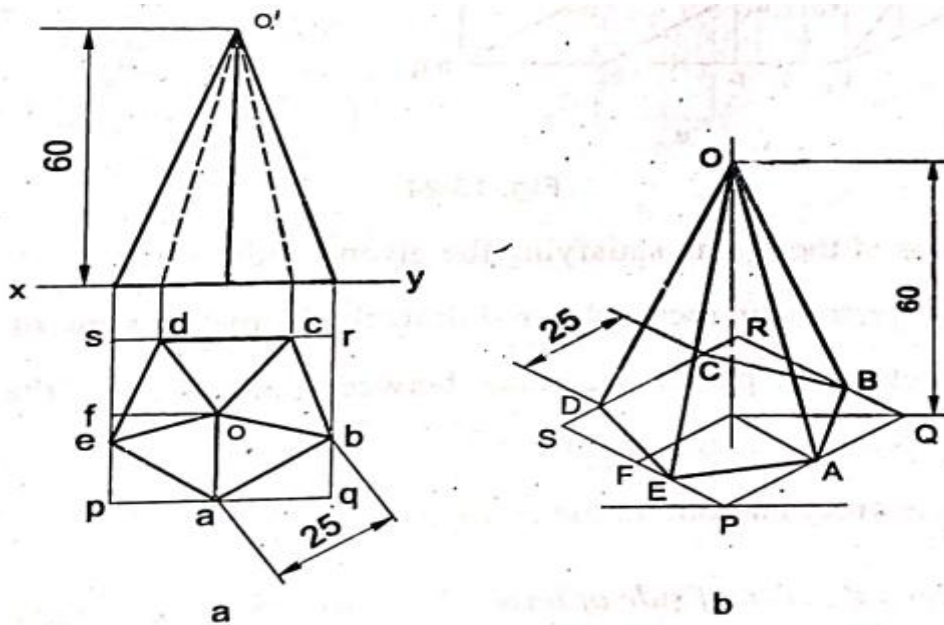


2. Draw the isometric view of a hexagonal prism, with side of base 25 mm and axis 60 mm long. The prism is resting on its base on H.P, with an edge of the base parallel to V.P.

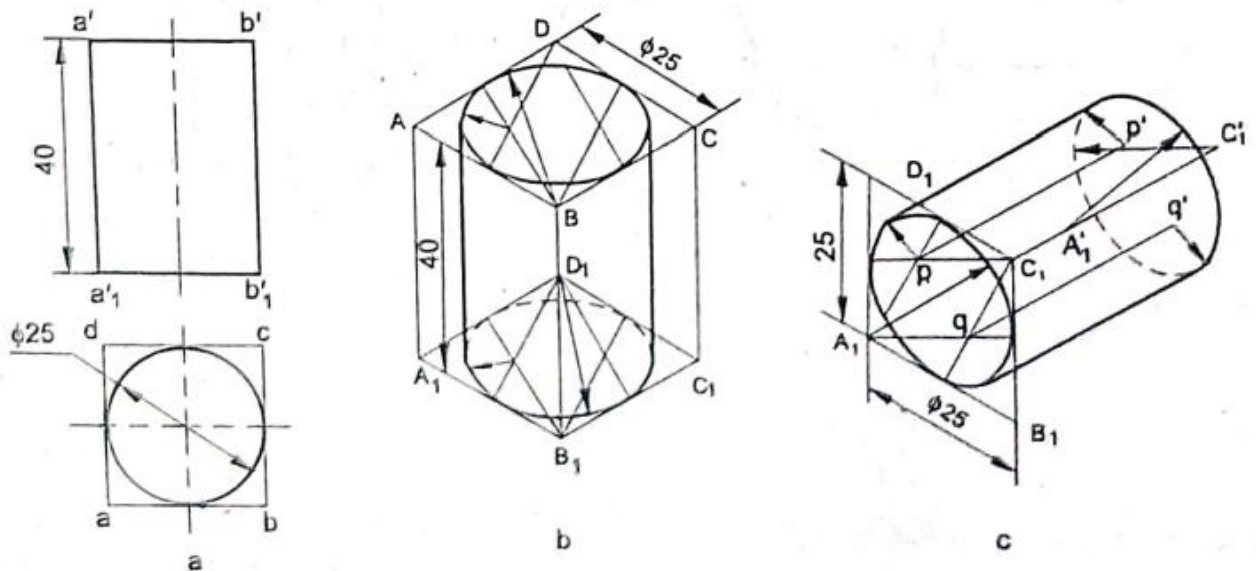




3. Draw the isometric view of a pentagonal pyramid, with side of base 25 mm and axis 60 mm long. The pyramid is resting on its base on H.P, with an edge of the base (away from the observer) parallel to V.P.

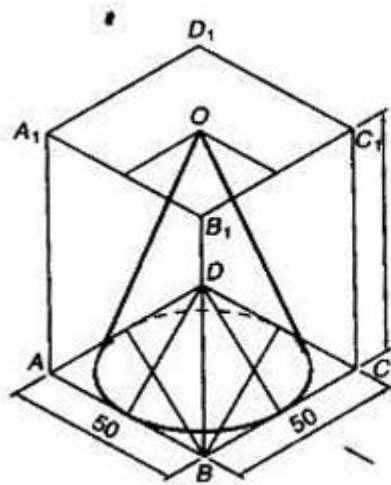


4. Draw the isometric view of a cylinder of base diameter 25 mm and axis 40 mm long, when its axis is (i) vertical and (ii) horizontal.

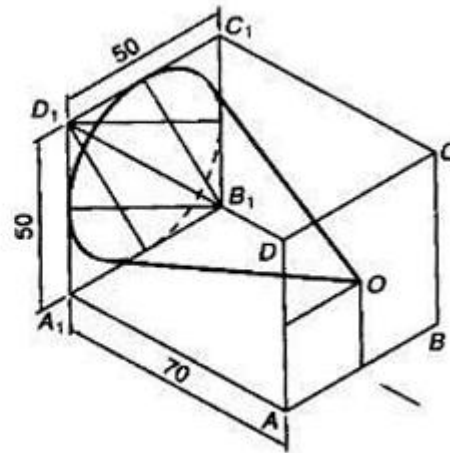




5. Draw an isometric view of Cone with a base diameter is 50 mm side and 70mm long axis
(a) when the base is on the HP (b) when the base is on the VP?

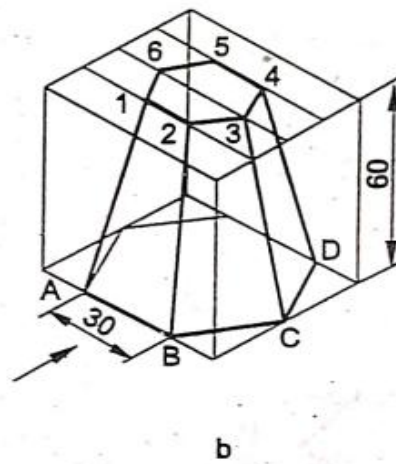
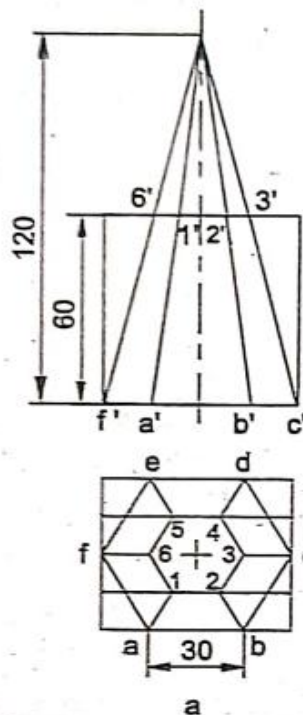


(a) Base is on the HP



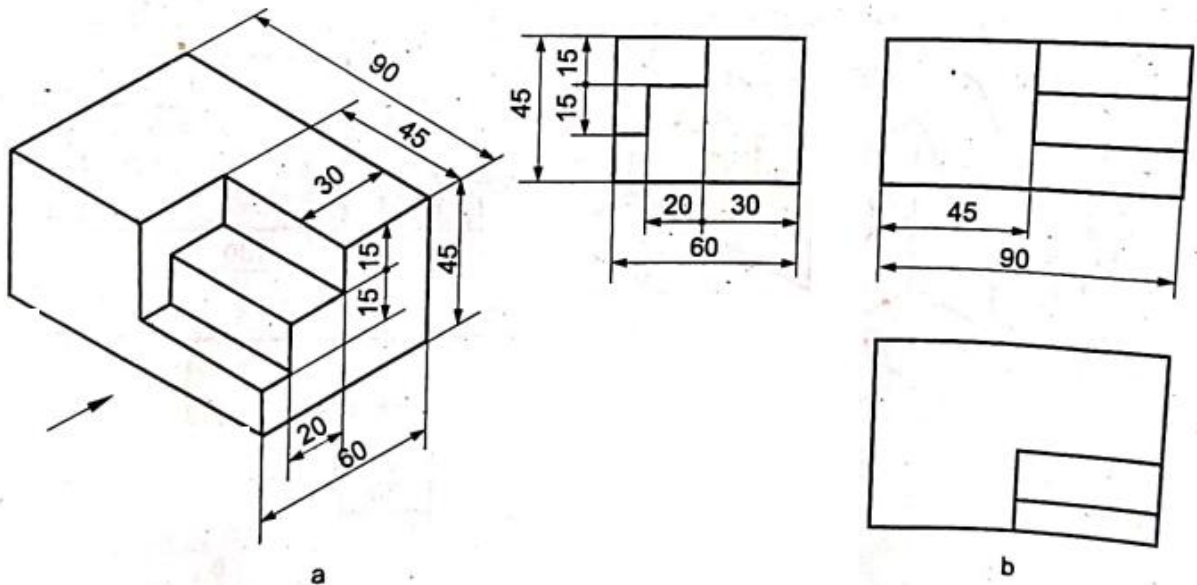
(b) Base is on the VP

6. A hexagonal pyramid with side of base 30 mm and axis 120 mm long, is resting on its base on H.P. An edge of the base is parallel to V.P. A horizontal section plane passes through a point on the axis, at a distance of 60 mm from the base. Draw the isometric projection of the frustum of the pyramid.

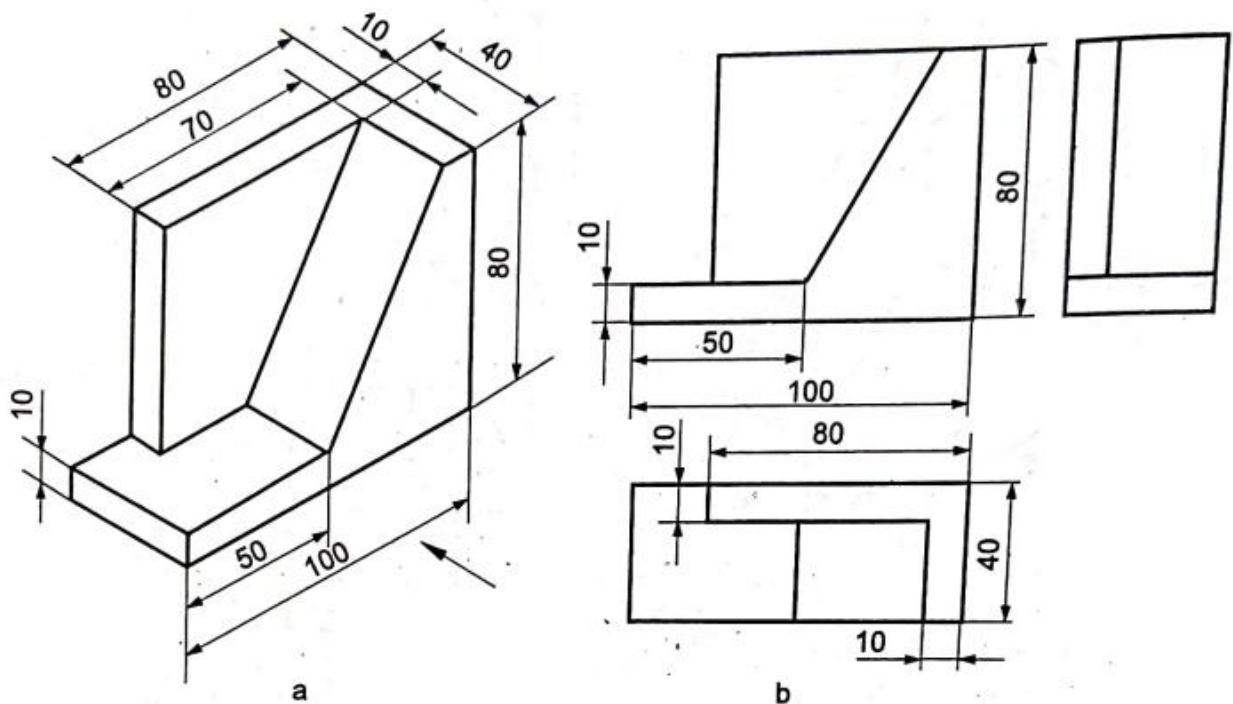




7. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

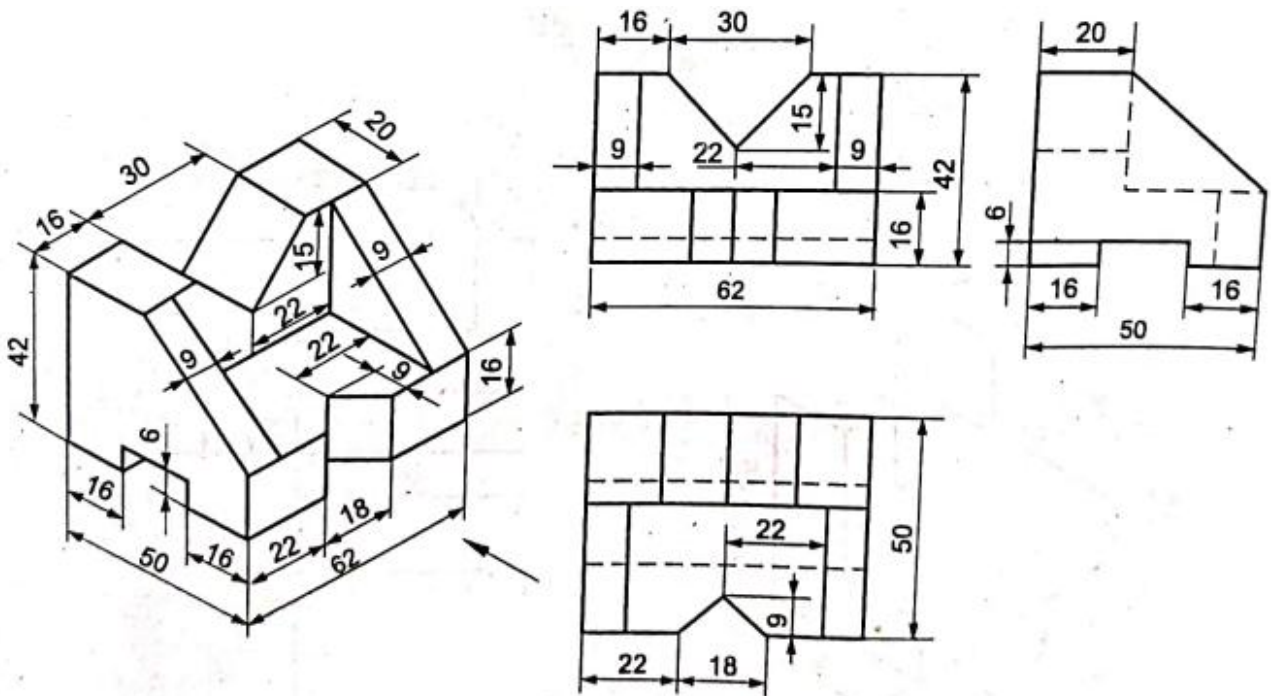


8. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

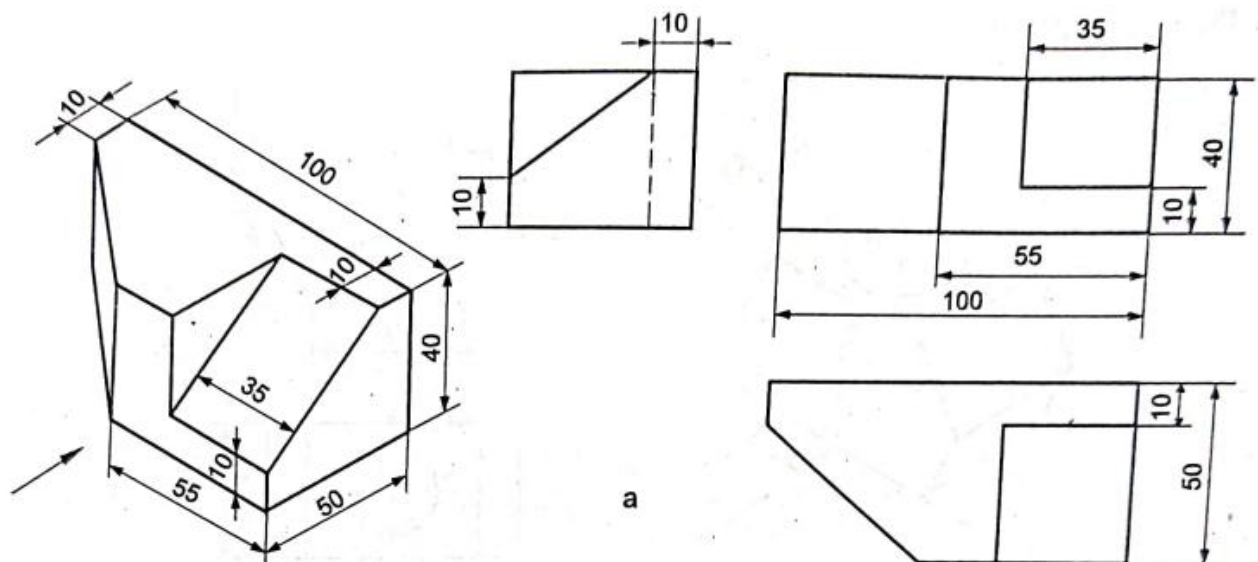




9. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

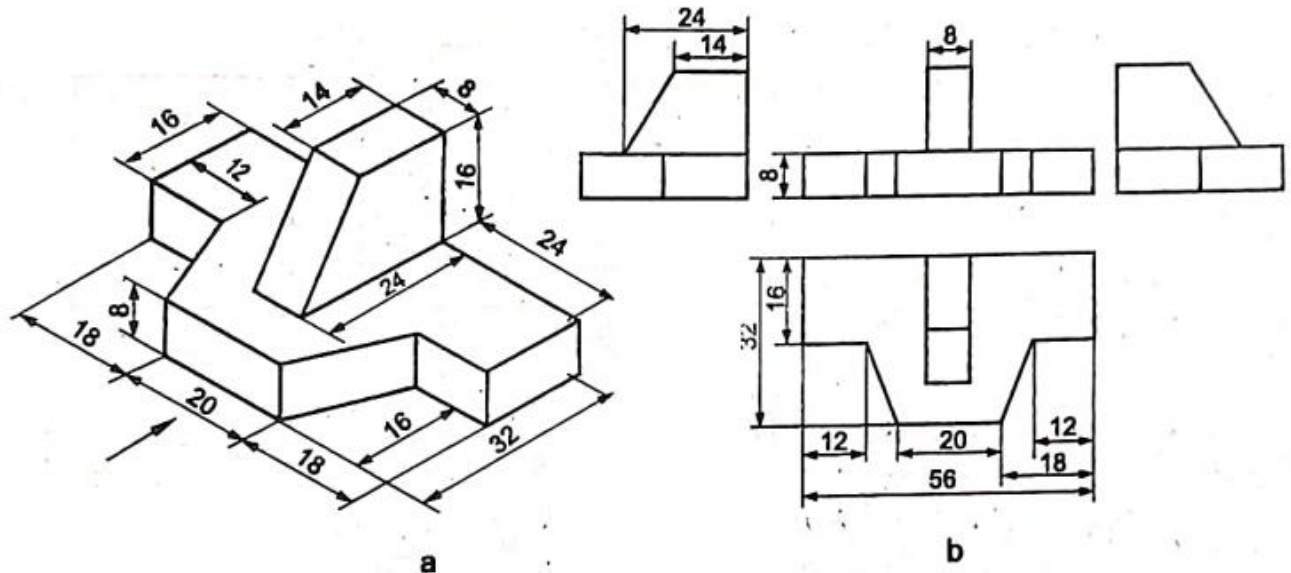


10. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

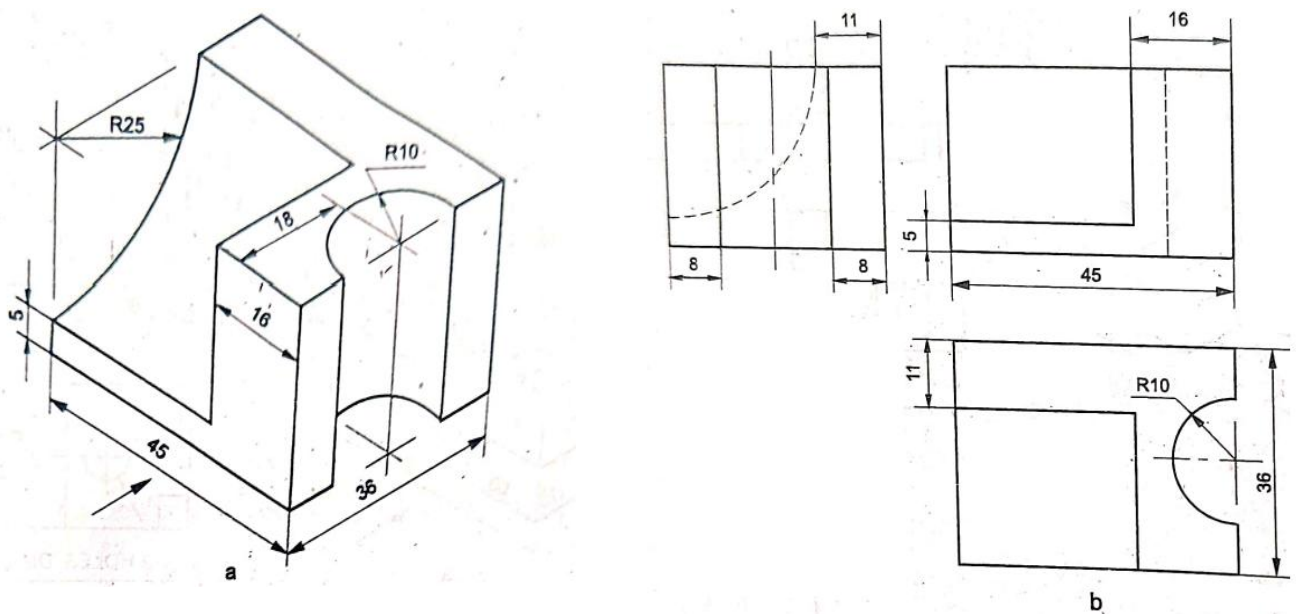




11. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

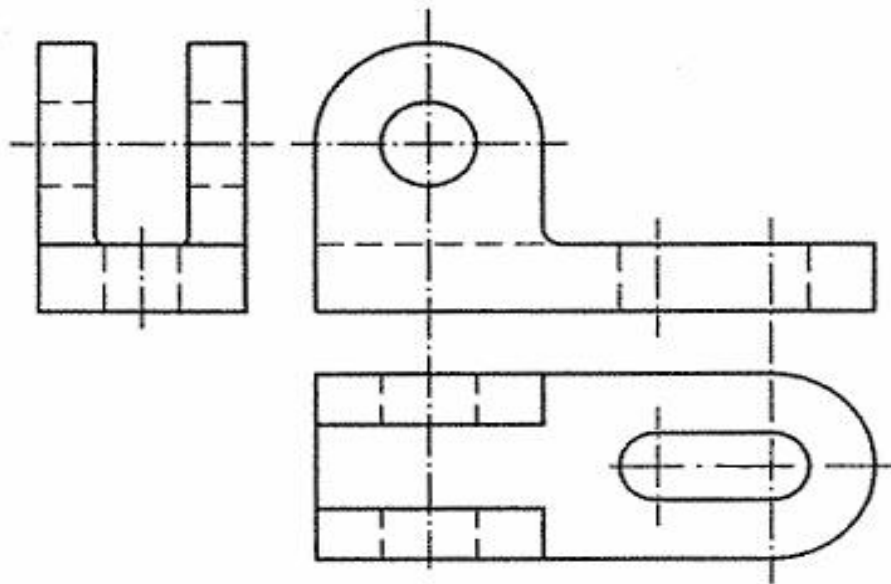
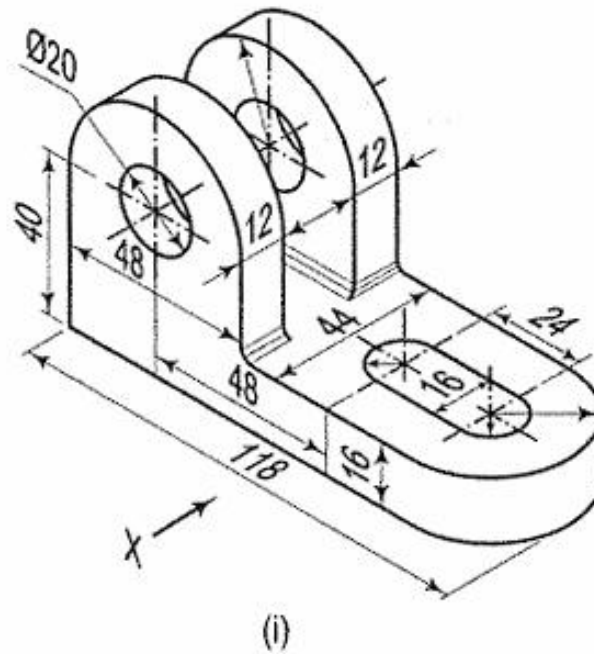


12. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.



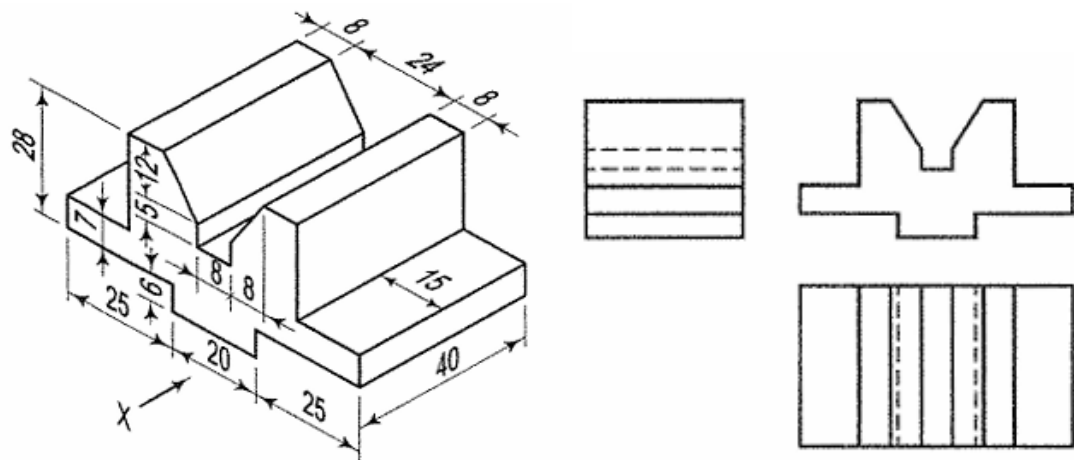


13. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

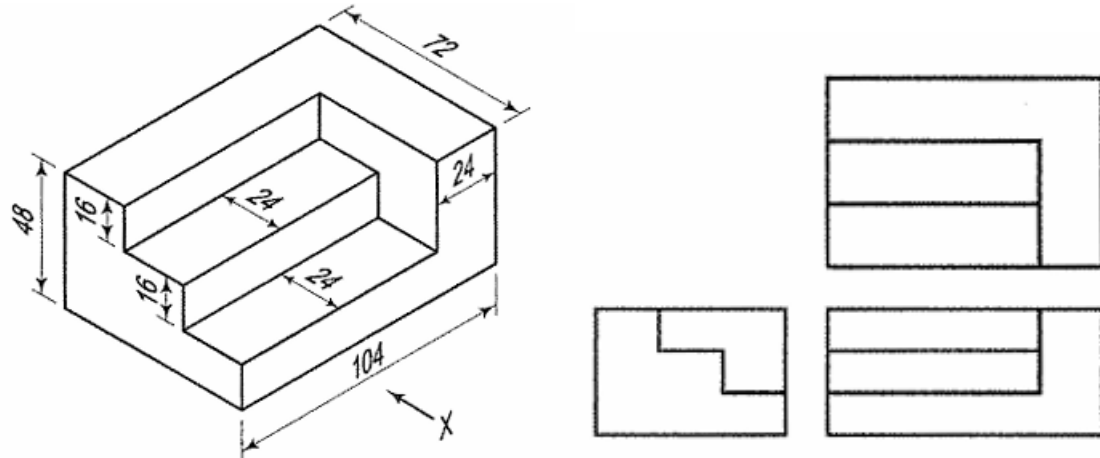




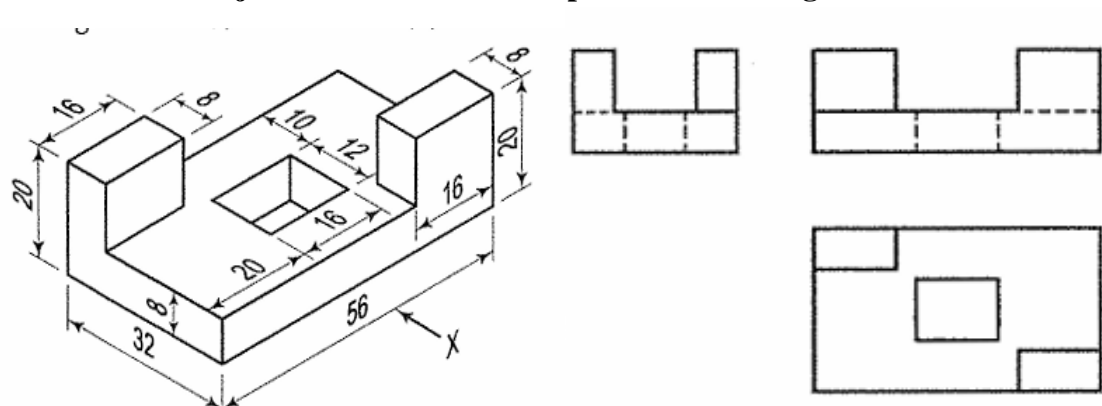
14. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.



15. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

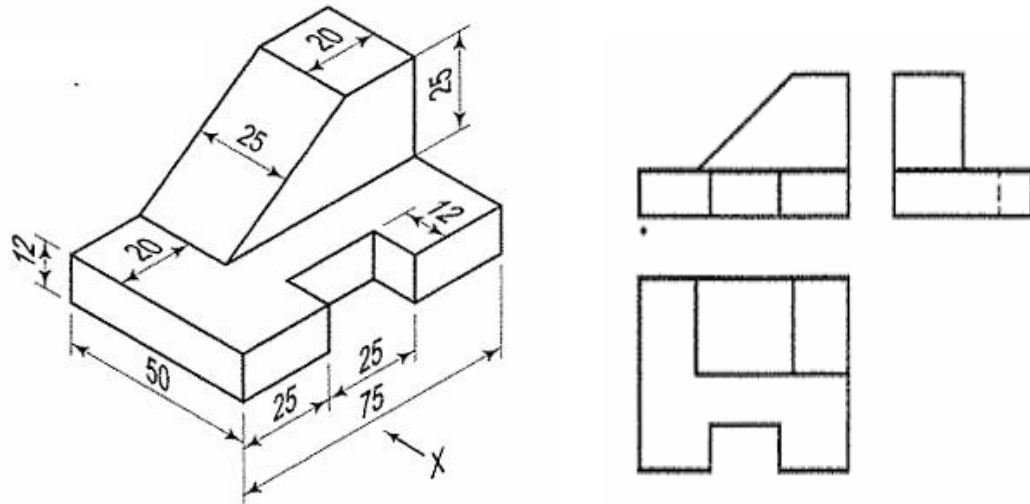


16. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

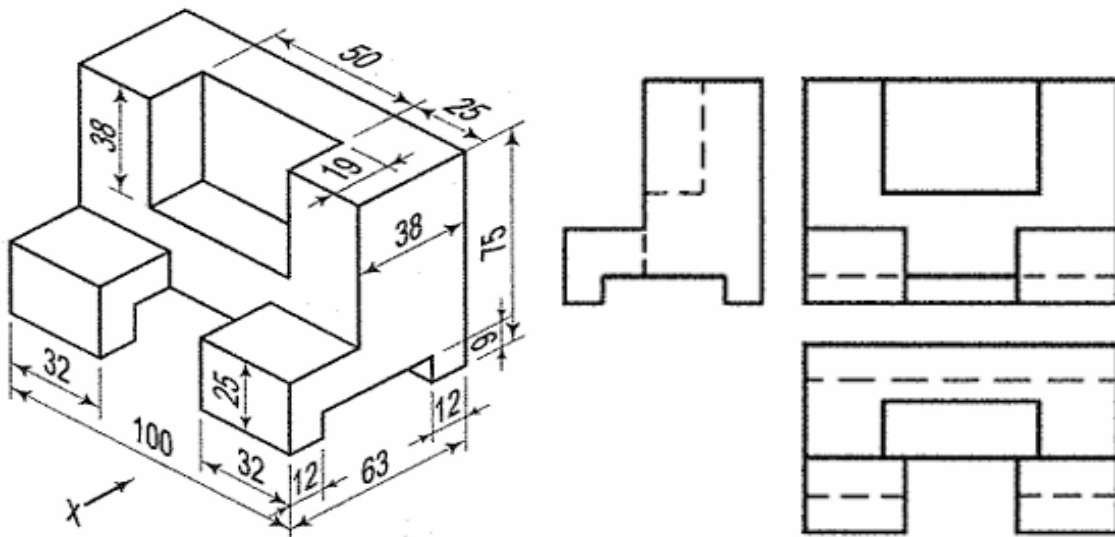




17. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

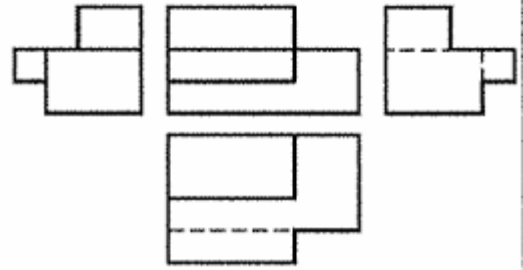
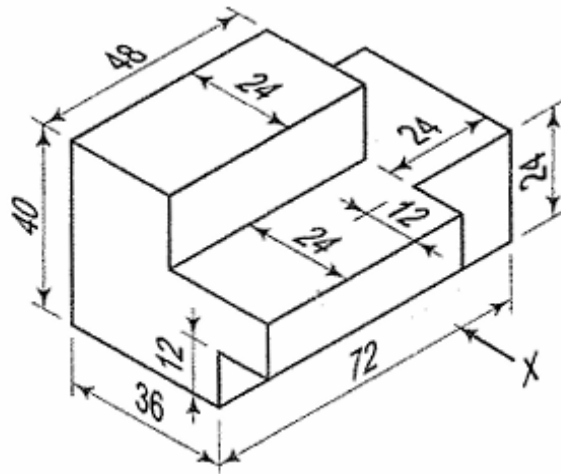


18. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

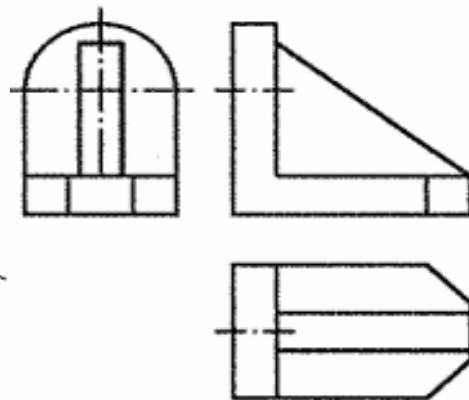
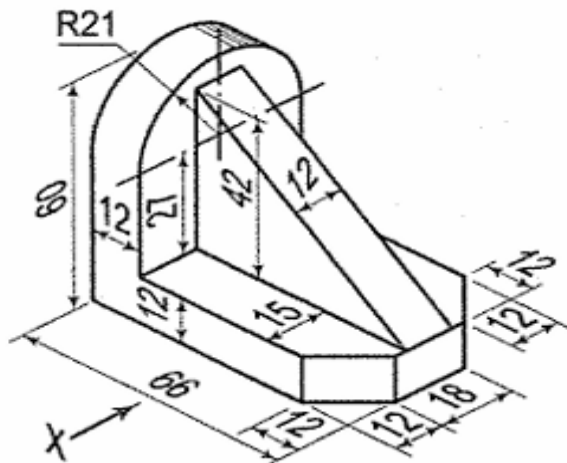




19. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

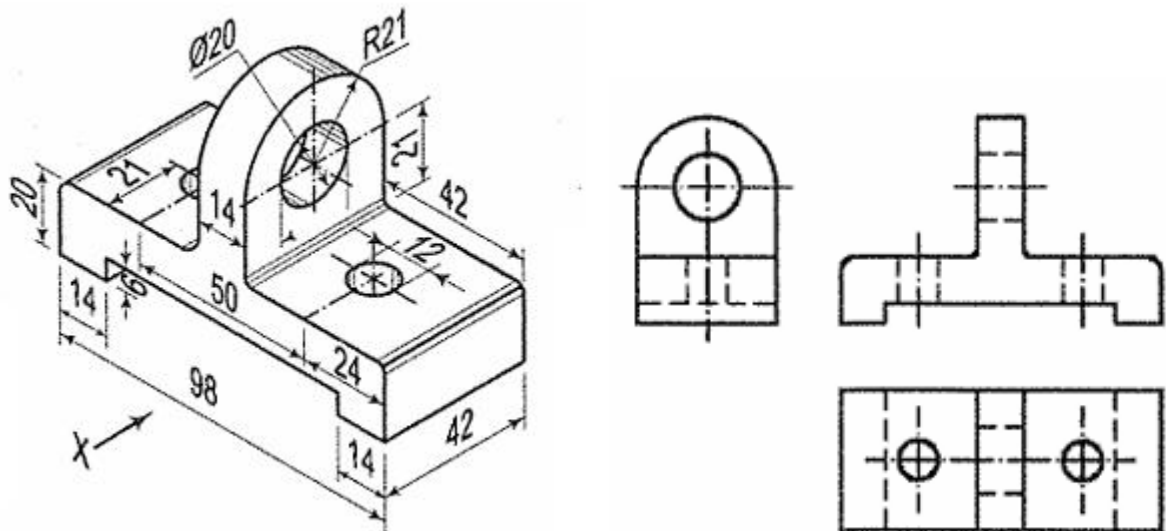


20. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

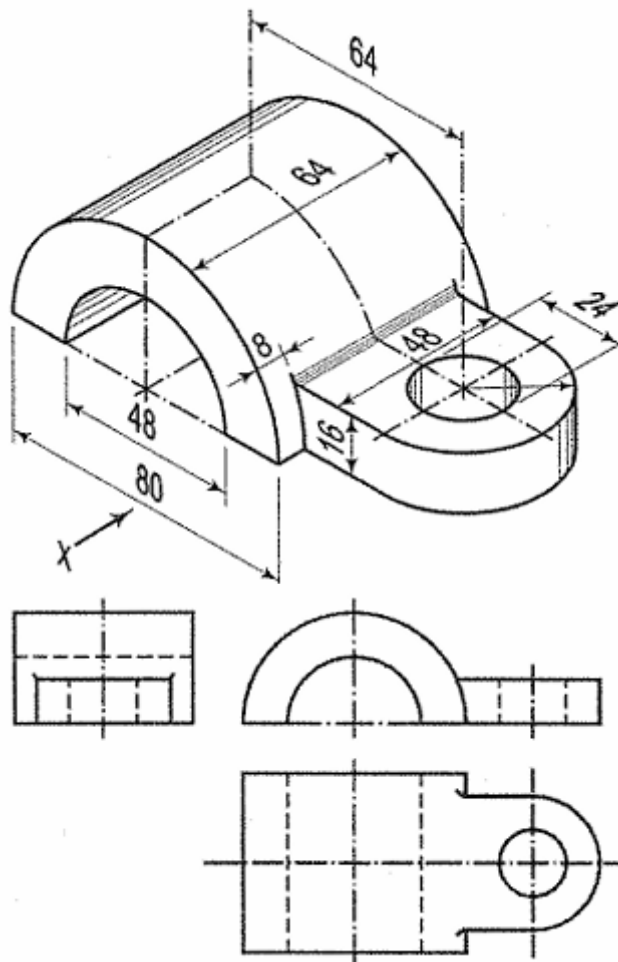




21. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.



22. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.





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DEPARTMENT OF MECHANICAL ENGINEERING

23. Draw the front view, top view and any one side view of the component give below. The front view of the object should be drawn as per the direction given.

