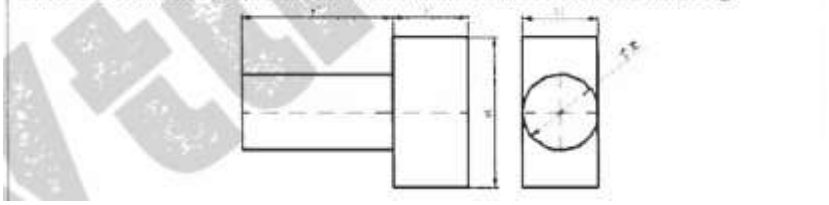
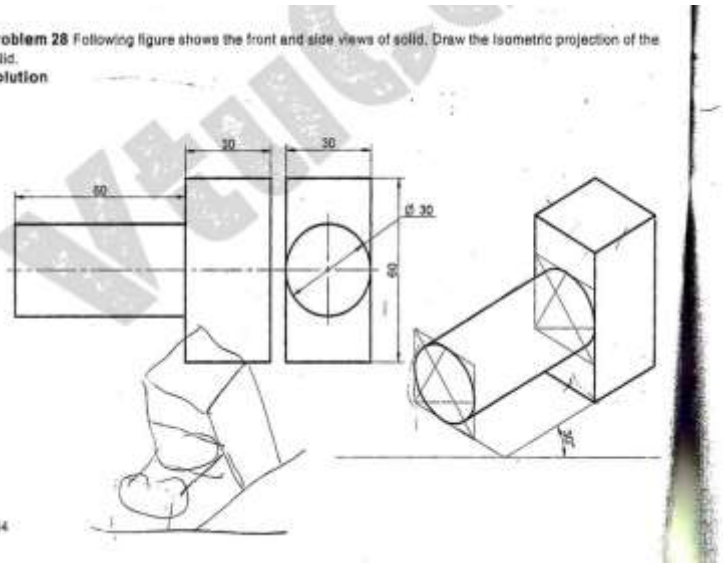
Draw the isometric projection for the combinations of solids shown in Fig.



Problem 28 Following figure shows the front and side views of solid. Draw the isometric projection of the solid.

Solution



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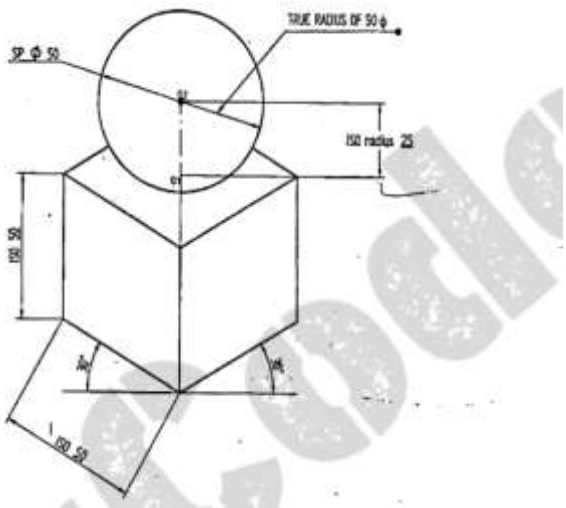
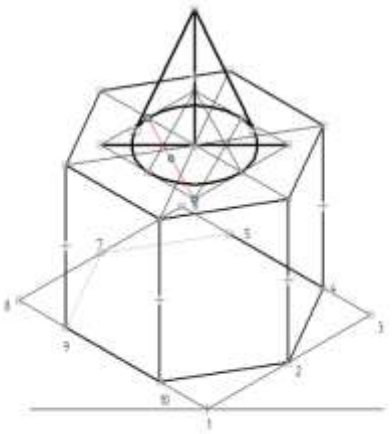
SOL:

A sphere of diameter 50 mm rests centrally on top of a cube of sides 50 mm. Draw the isometric projections of the combination of solids.



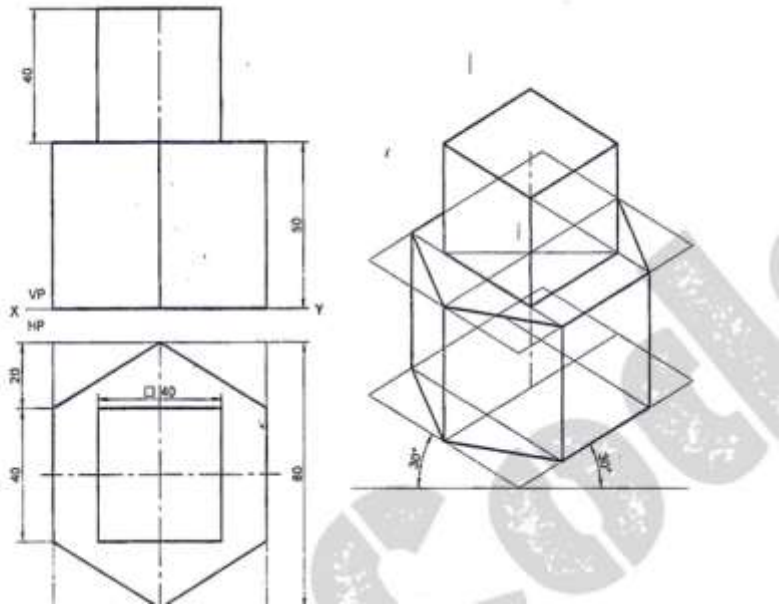
SOL:

Draw isometric projection of a hexagonal prism of side of base 40mm and height 60mm with a right circular cone of base 40mm as diameter and height 60mm, resting on its top such that the axes of both solids are collinear.

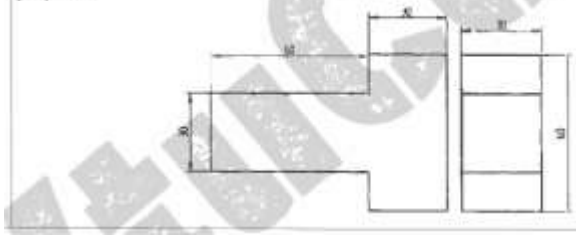


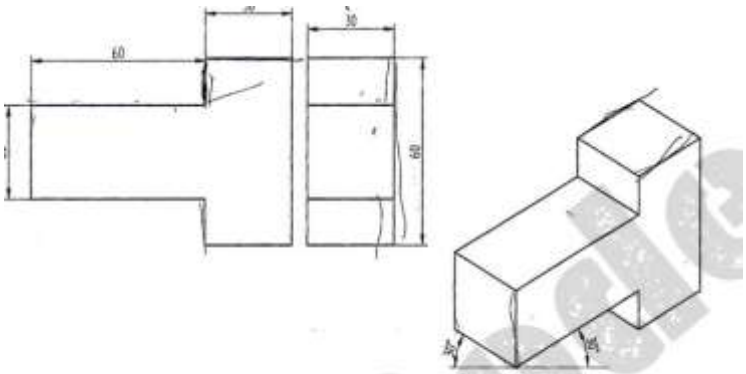
A cube of side-40mm is resting centrally on a hexagonal prism base side-40mm and height 50mm, such that one of the base sides of the cube is parallel to one of the sides of the top face of the prism. Draw the isometric projection of the combination.

Solution



The following figure shows the front and side view of the object. Draw its isometric projection





A rectangular pyramid of base- 60mm x 45mm and height 50mm is placed centrally on a rectangular slab side- 100mm x 60mm and thickness-20mm. Draw the isometric projection of the combination.