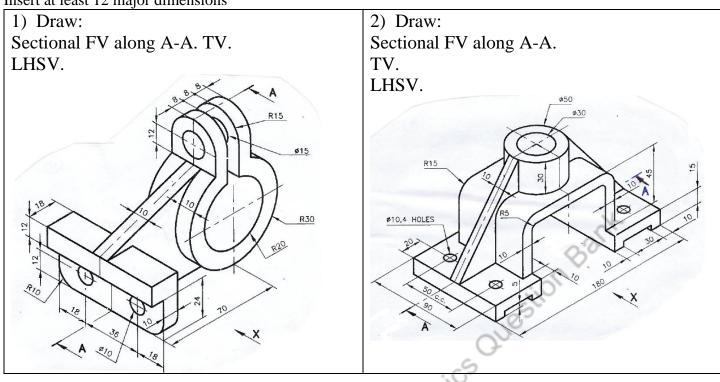
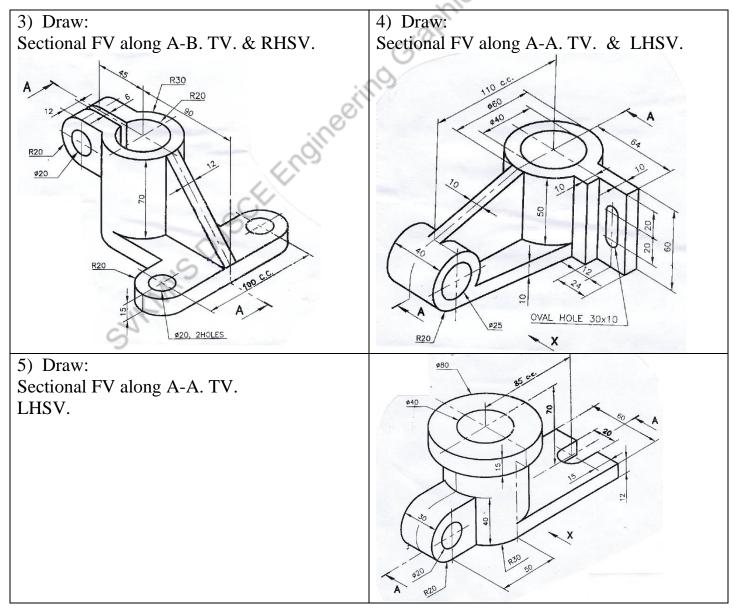
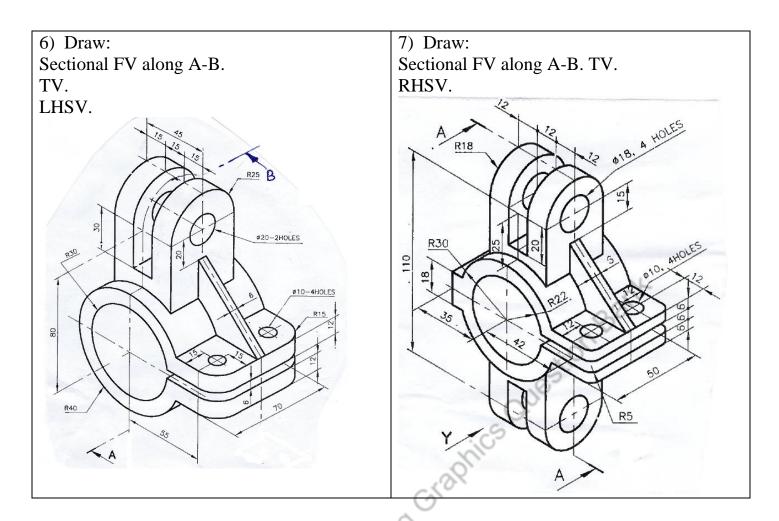
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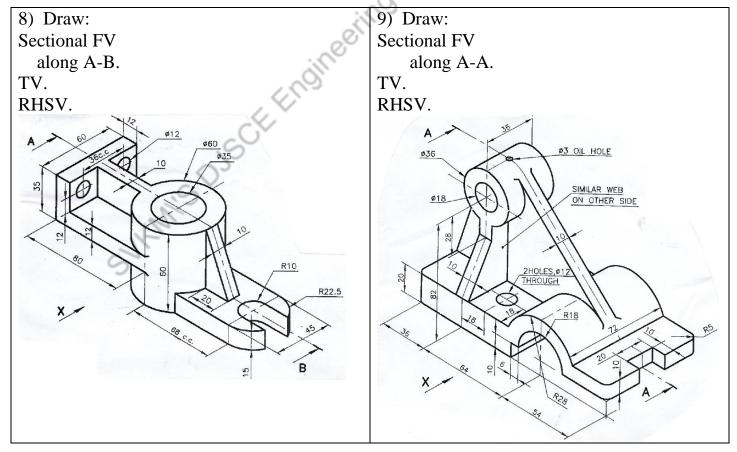
Sectional Orthographic projections.

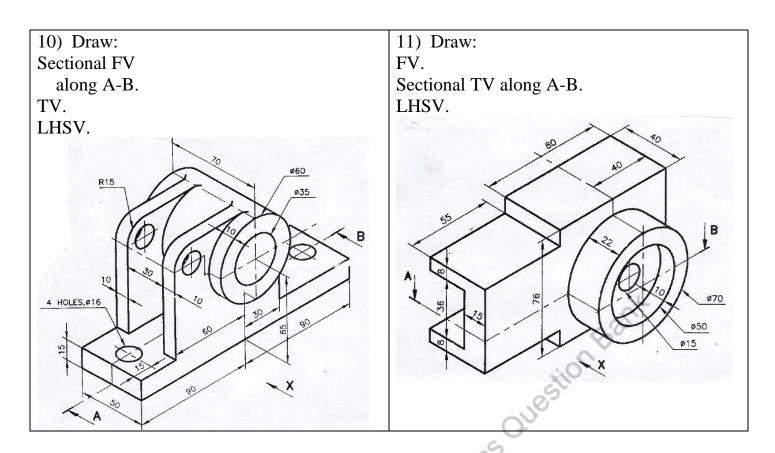
Insert at least 12 major dimensions

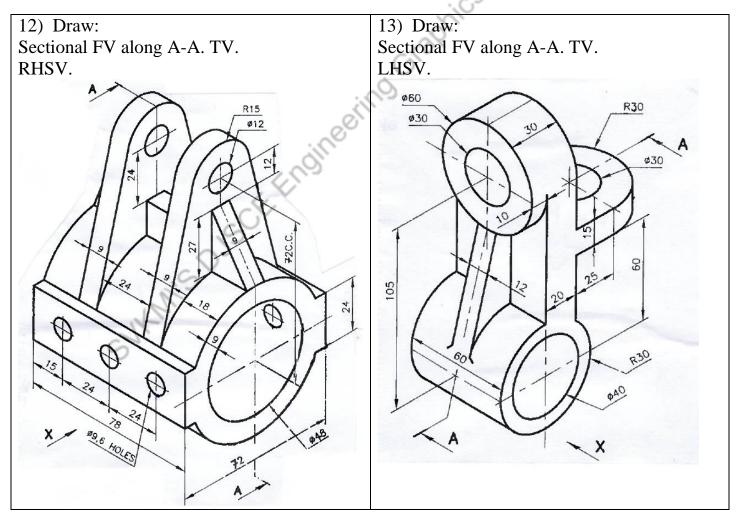


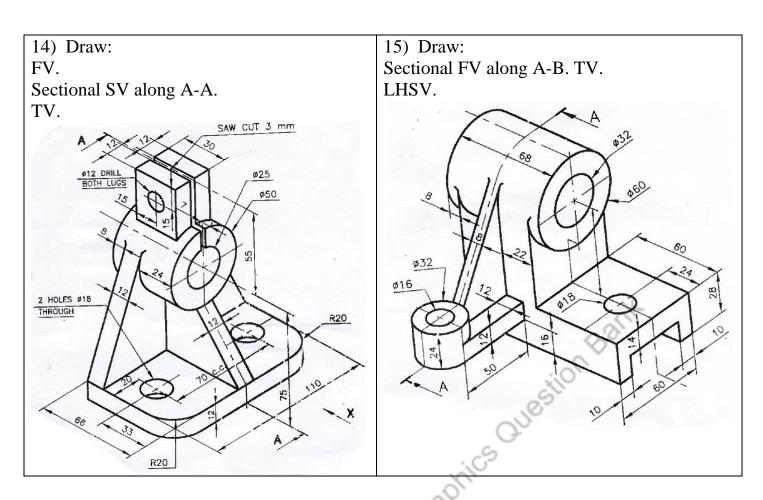


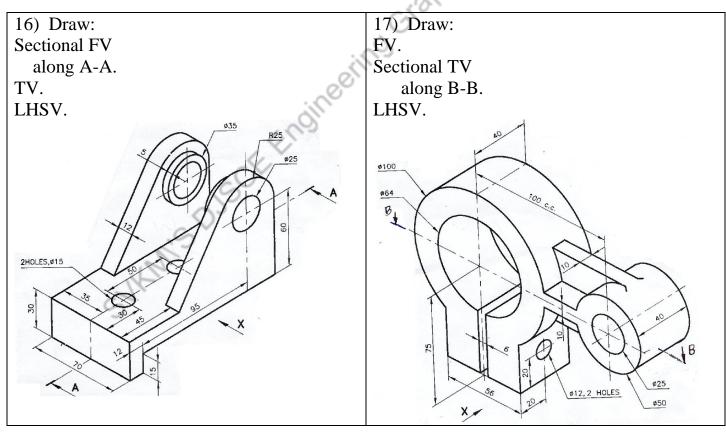


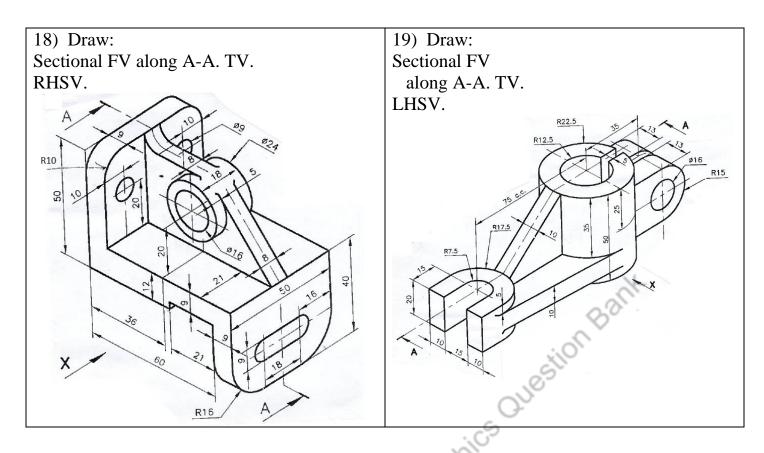


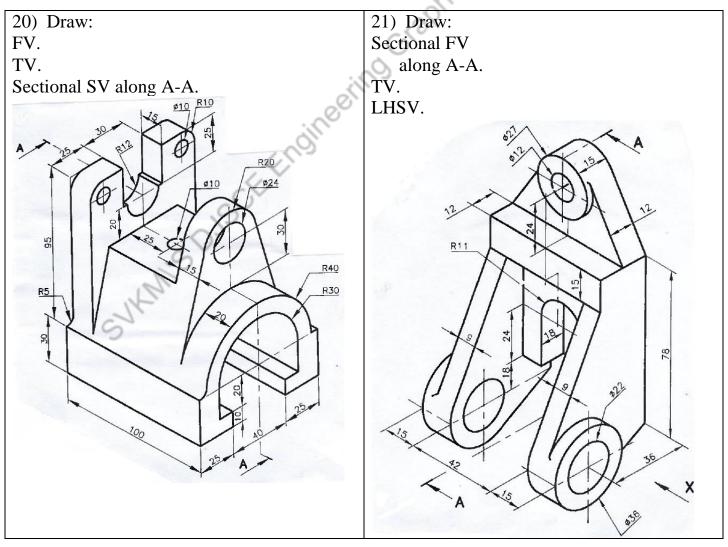


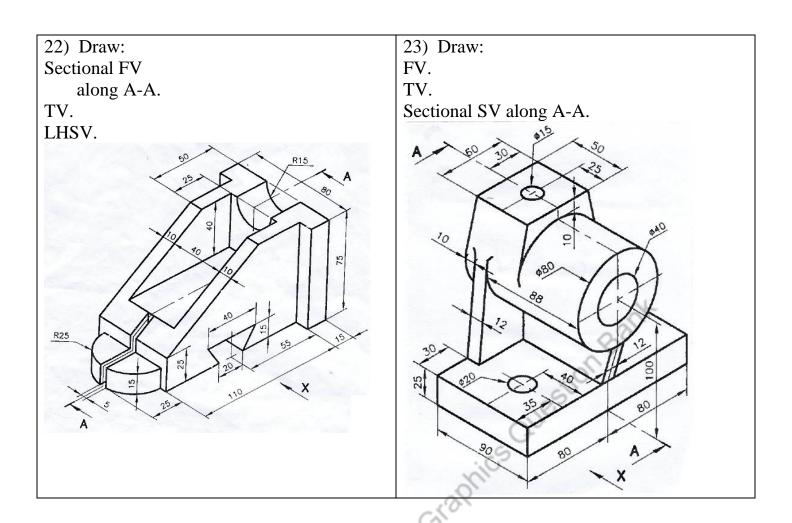


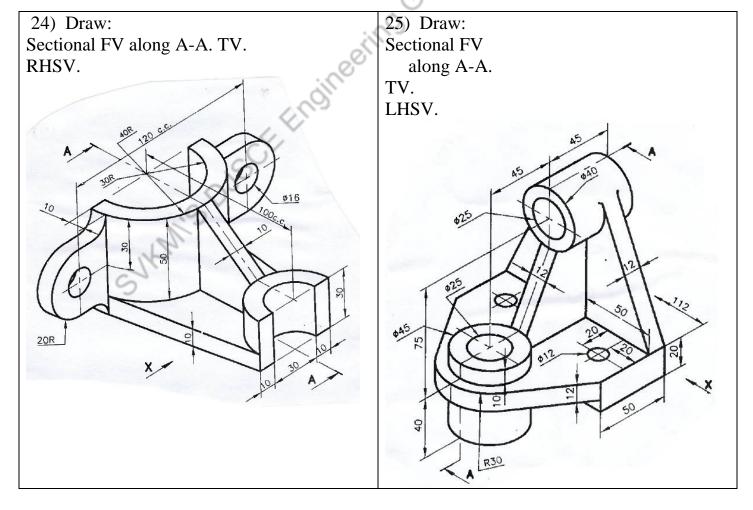




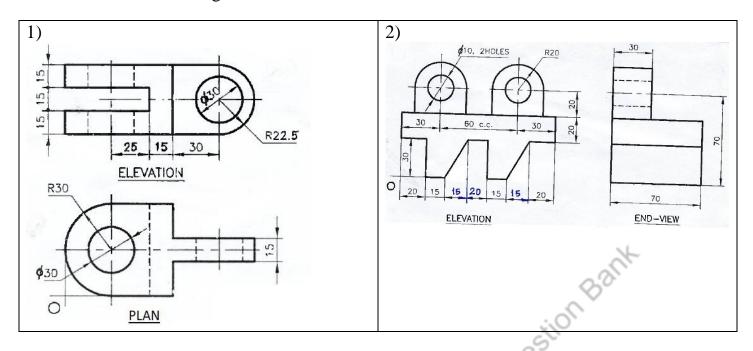


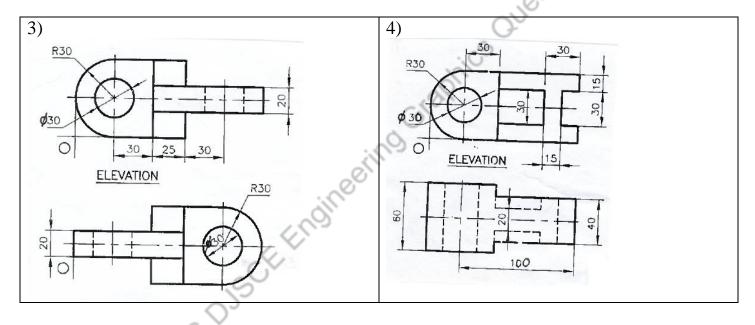


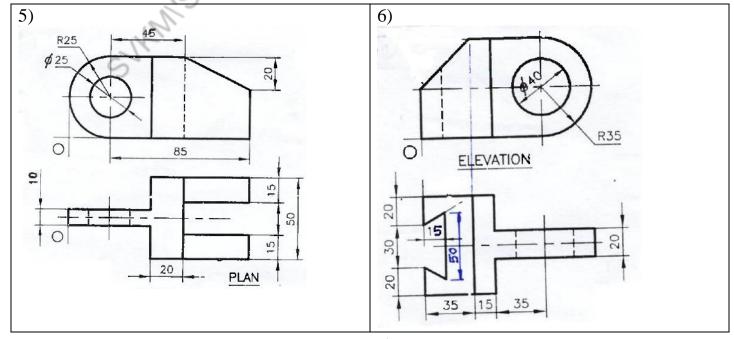




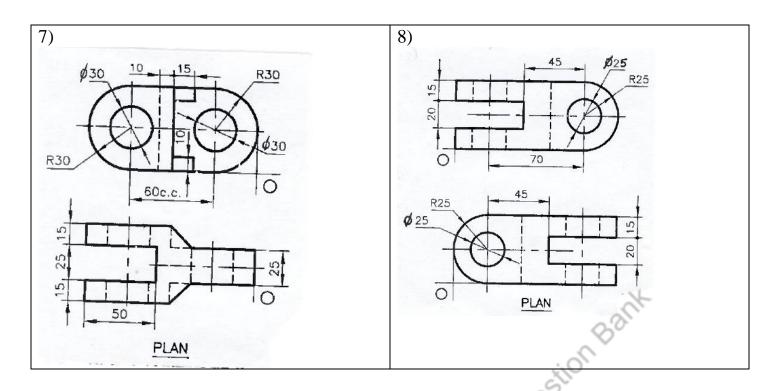
Draw Isometric view using natural scale.

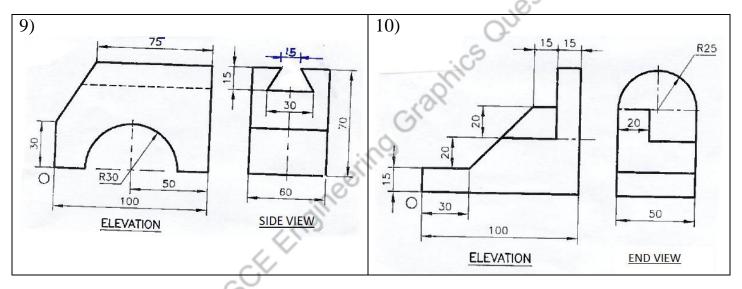


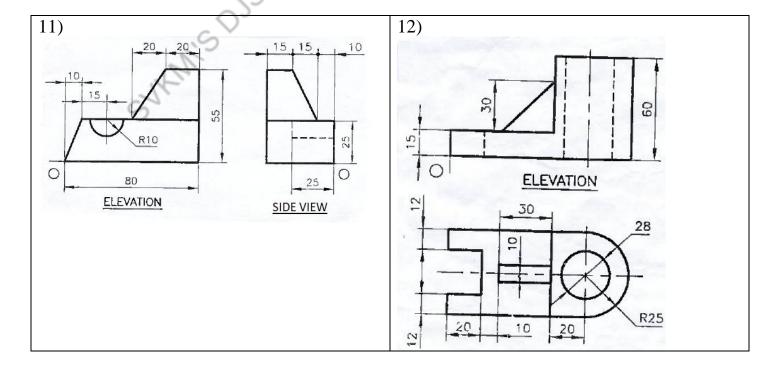


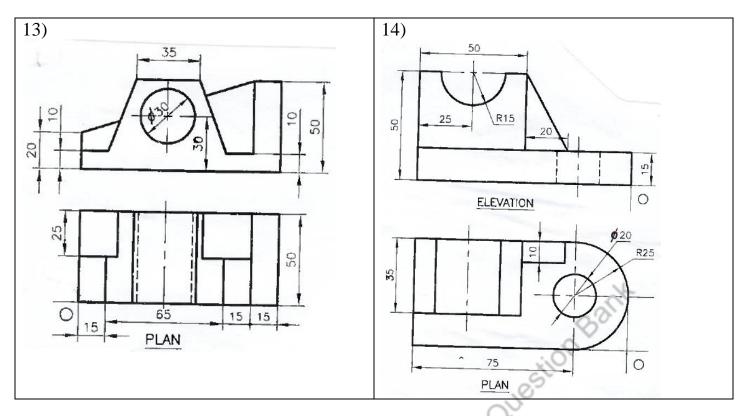


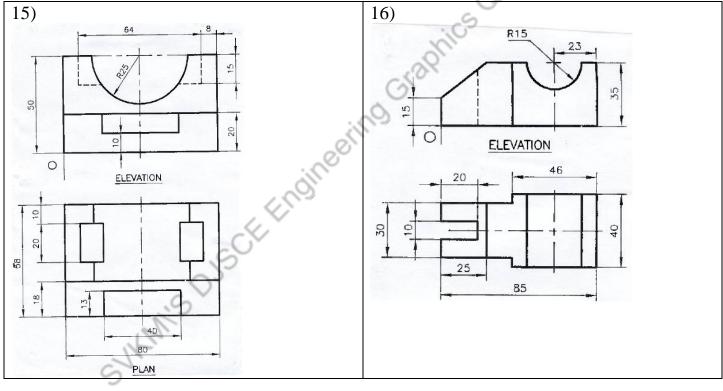
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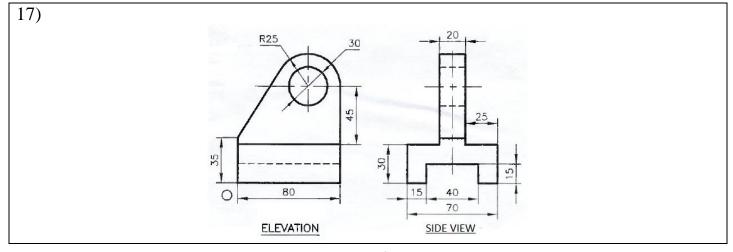




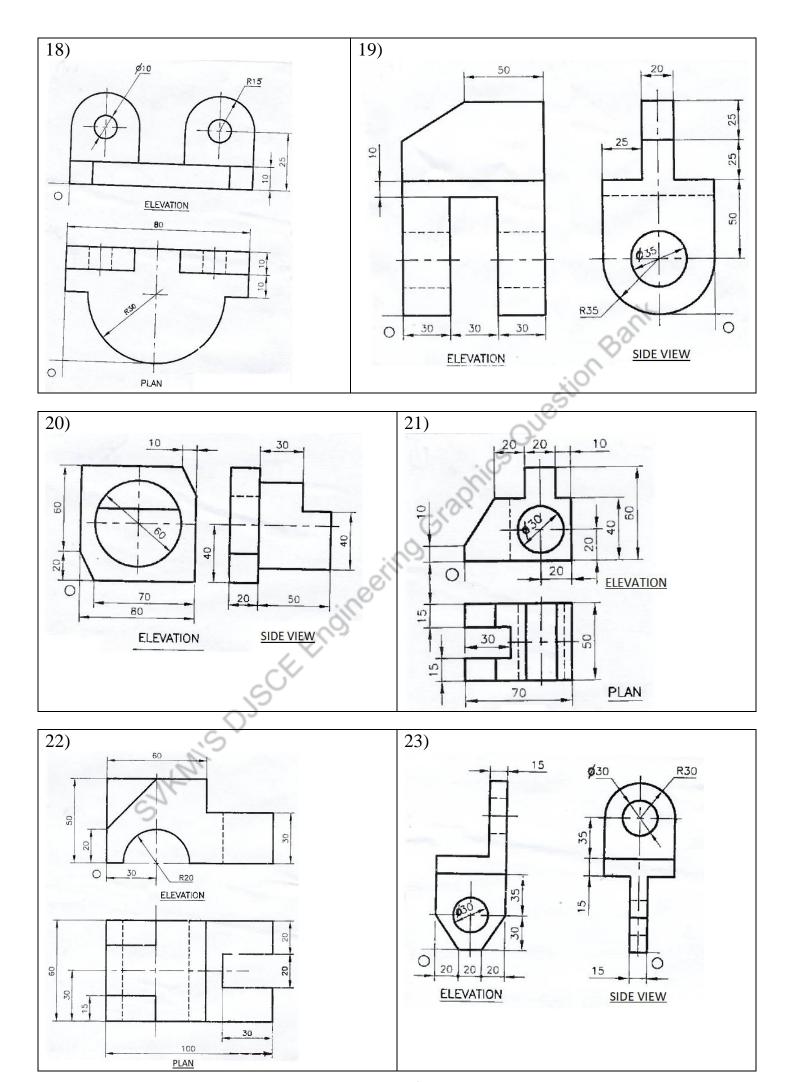




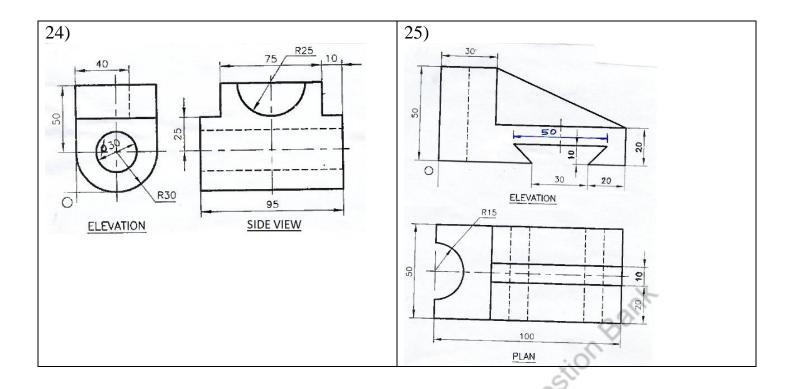




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Projection of Solids

- 1) A square prism with base side 30 mm and axis height 70 mm is resting on HP on one of its corner such that the vertical edge containing the corner is inclined 30° to HP and the top view of the axis is inclined by 45° to VP. Draw projections of the prism if top of the prism is nearer to the observer.
- 2) A hexagonal prism with base side 30 mm and axis height 70 mm is resting on HP on one of the base edge. The base of the prism is inclined by 40° to HP and the base edge resting on HP is parallel VP. Draw projection of Prism if base is nearer to the observer.
- 3) A square pyramid with base side 40 mm and axis height 80 mm is resting on HP on one of the base edge. The triangular face containing the base edge is perpendicular to HP and the same base edge is inclined by 40° to VP. Draw the projections of pyramid if apex is towards the observer.
- 4) A hexagonal prism with base side 30 mm and axis height 70 mm is resting on HP on one of the base corner with axis of the prism inclined by 40° to HP and the top view of the axis is inclined by 30° to VP. Draw projections of Prism if top of the prism is nearer to the observer.
- 5) A square pyramid with base side 40 mm and axis height 70 mm is resting on HP on one of the triangular face such that the base edge containing the triangular face is inclined by 40° to VP. Draw the projections of pyramid if apex is towards the observer.

- A square prism with base side 40 mm and axis height 70 mm is resting on HP on one of the base edge. The base of the pyramid is inclined by 30° to HP and the base edge resting on HP is parallel VP. Draw projection of Prism if base is nearer to the observer.
- A square pyramid with base side 40 mm and axis height 75 mm is resting on HP on one of the base side. The axis of the pyramid is inclined by 40° to HP and top of axis is inclined by 30° to VP. Draw projections of Pyramid if the base is nearer to VP.
- 8) A hexagonal prism with base side 30 mm and axis height 70 mm is resting on HP on one of the base corner. The axis of the prism is inclined by 40° to HP and the top view of the axis is inclined by 30° to VP. Draw projections of Prism if top of the prism is away from the observer.
- 9) A pentagonal pyramid with base side 30 mm and axis height 75 mm is resting on HP on one of the base corner. The axis of the pyramid is inclined by 45° to HP and the top view of the axis is inclined by 30° to VP. Draw projections of Pyramid if apex is away from the observer.
- 10) A square pyramid with base side 40 mm and axis height 75mm is resting on HP on one of the base edge. The triangular face containing the base edge is 45° to HP and the same base edge is inclined by 30° to VP. Draw the projections of pyramid if apex is away from the observer.
- 11) A pentagonal prism with base side 40 mm and axis height 80 mm is resting on HP on one of the base edge. The base of the prism is inclined by 35° to HP and the base edge resting on HP is parallel VP. Draw projections of Prism if base is nearer to the VP.
- 12) A pentagonal prism with base side 30 mm and axis height 70 mm is resting on HP on one of the base corner. The axis of the prism is inclined by 40° to HP and the top view of the axis is inclined by 30° to VP. Draw projections of Prism if top of the prism is away from the observer.
- 13) A pentagonal prism with base side 30 mm and axis height 70 mm is resting on HP on one of its corner such that the vertical edge containing the corner is inclined 45° to HP and the top view of the axis is inclined by 30° to VP. Draw projections of the prism if top of the prism is nearer to the observer.

- 14) A pentagonal prism having an edge of base 30 mm, axis height 70 mm has one of its corner in the H.P. The axis is inclined at 30° to the H.P. and the T.V. of an axis is inclined at 45° to the V.P. Draw the projections.
- 15) A pentagonal pyramid with base side 30 mm and axis height 70 mm is resting on HP on one of the base edge. The axis of the pyramid is inclined by 45° to HP and the base edge resting on HP is 30° inclined to VP. Draw projections of Pyramid.
- 16) A square prism with base side 40 mm and axis height 70 mm is resting on HP on one of the base side. The axis of the prism is inclined by 30° to HP and top of axis is inclined by 40° to VP. Draw projections of Prism if the base is nearer to VP.
- 17) A square prism, side of base 40 mm and axis 75 mm has one of the side of base in the H.P. which makes an angle 30° with the V.P. and axis inclined at an angle 45° with the H.P. Draw its projections.
- 18) A pentagonal prism with base side 30 mm and axis height 75 mm is resting on HP on one of the base edge. The axis of the prism is inclined by 40° to HP and the base edge resting on HP is 30° inclined to VP. Draw projections of Prism.
- 19) A hexagonal pyramid with base side 30 mm and axis height 75 mm is resting on HP on one of the base edge. The triangular face containing the base edge is 45° to HP and the same base edge is inclined by 30° to VP. Draw projection of the pyramid if apex is away from the observer.
- 20) A hexagonal pyramid with base side 30 mm and axis height 75 mm is resting on HP on one of the base corner with axis of the pyramid inclined by 30° to HP and the top view of the axis is inclined by 45° to VP. Draw projections of Pyramid if apex is nearer to the observer.
- 21) A hexagonal pyramid with base side 35mm and axis height 80 mm is resting on HP on one of the base edge. The base of the pyramid is inclined by 45° to HP and the base edge resting on HP is parallel VP. Draw projection of Pyramid if base is nearer to the observer.

- 22) A hexagonal pyramid with base side 30 mm and axis height 70 mm is resting on HP on one of its slant edge. The same slant edge is inclined by 40° to VP. Draw projection of the pyramid if apex is nearer to the observer.
- 23) A pentagonal pyramid with base side 40 mm and axis height 80 mm is resting on HP on one of the base edge. The base of the pyramid is inclined by 35° to HP and the base edge resting on HP is parallel VP. Draw projections of Pyramid if base is nearer to the VP.
- 24) A pentagonal pyramid with base side 30 mm and axis height 70 mm is resting on HP on one of its slant edge such that the top view of the axis is inclined by 45° to VP. Draw projections of the pyramid if apex is nearer to the observer.
- 25) A hexagonal pyramid with base side 35 mm and axis height 85 mm is resting on HP on one of the base edge. The triangular face containing the base edge is perpendicular to HP and the same base edge is inclined by 30° to VP. Draw projection of Pyramid if apex is nearer the observer.

All the best!