

ASSIGNMENT II**ENGINEERING DRAWING****1 Mark Question**

- Q1. A triangular prism of 40 mm base edges & 60 mm length is resting on HP on one of its rectangular faces with its triangular ends inclined to VP at 45° towards left. Project top view in front view.
- Q2. A pentagonal prism of 25 mm end edges & 60 mm length is resting on HP on one of its rectangular faces, with its pentagonal ends inclined to VP at 60° towards left. Project top view & front view.
- Q3. A cone of 40 mm base diameter & 60 mm axis, is resting on HP with its axis parallel to HP & inclined to VP at 30° towards left. The open of the cone is in front. Project top view in front view.

B

- Q1. A triangular prism of 40 mm base edges & 60 mm length, rests on HP on one corner of one of its triangular ends with the rectangular face containing that corner is on the back and parallel to VP. The long edges of the rectangular face (on back) are inclined to HP at 30° towards the left. Project front view & top view.
- Q2. A hexagonal prism having and edges 20 mm & long edges 60 mm is resting on HP on one corner of its base, so that the long edges are parallel to VP & inclined to HP at 30° towards left. Two opposite rectangular faces are parallel to VP. Project front view & top view.
- Q3. A pentagonal pyramid of 30mm base edges & 70 mm axis is resting on HP on one corner of its base so that the base edge on top is parallel to HP & the axis makes an angle of 30° with HP towards right. Project front view & top view.
- Q4. A cylinder of 40 mm base diameter & 60 mm axis is resting on HP so that its axis is inclined to HP at 30° towards the right & parallel to VP. Project its front view & top view.
- Q5. A circle of 55 mm diameter touches HP & inclined to it at 45° towards the left. Project its FV & TV.

C.

- Q1. A square ABCD of 40 mm sides is resting on HP on its side AB which is inclined to VP at 45° towards right. The surface of the square is inclined to HP at 45° . Project its top view & front view.
- Q2. A regular hexagon of 25 mm sides is resting on HP on its side AB, which is inclined to VP at 45° towards left. The surface of the hexagon is inclined to HP at 45° . Project its top view & front view.
- Q3. A circle of 40 mm diameter rests on HP at the end C of its diameter COD. Its horizontal diameter ADB is inclined to VP at 45° towards the right. Its surface is inclined to HP at 45° towards the front. Project its top view & front view.
- Q4. A cube of 40 mm edges, rests on an edge which is inclined to VP at 60° towards the left. The face on this edge, towards the right is inclined at 60° & that towards the left at 30° to HP. Two faces of the cube, one visible from front & the other on the back are vertical. Project its top view & front view.
- Q5. A cylinder of 40 mm base diameter & 60 mm axis, rests on HP so that its axis is inclined to HP at 30° towards the right & it lies in a plane inclined to VP at 30° towards the right. Its end on top is visible from the front. Project its top view & front view.
- Q6. A cone of 40 mm base diameter & 65 mm axis, is resting on HP so that its axis is inclined to HP at 30° towards the right & it lies in a plane inclined to VP at 45° towards left. Its base is visible from front. Project its top view & front view.