

TEST 1 (ENGINEERING DRAWING)

Q.1

The distance between the end projectors of a line AB is 60mm. The end A is 25mm above H.P. and 45mm in front of V.P., while the other end B is 60mm above H.P. and 15mm in front of V.P. Draw projections and find the true length and also inclination of the line with H.P. and V.P.

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Q.2

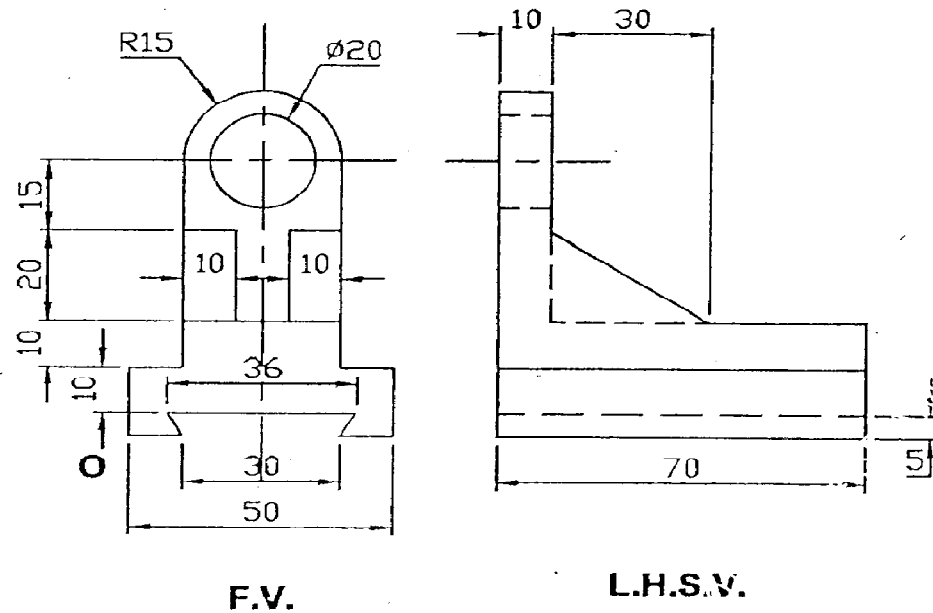
A cone, diameter of base 60mm and height 70mm has one of the generators in the HP and the plane containing the axis and that generator makes an angle 45° with VP. Draw the projections of the cone when the apex is away from the observer. [15]

Q.3

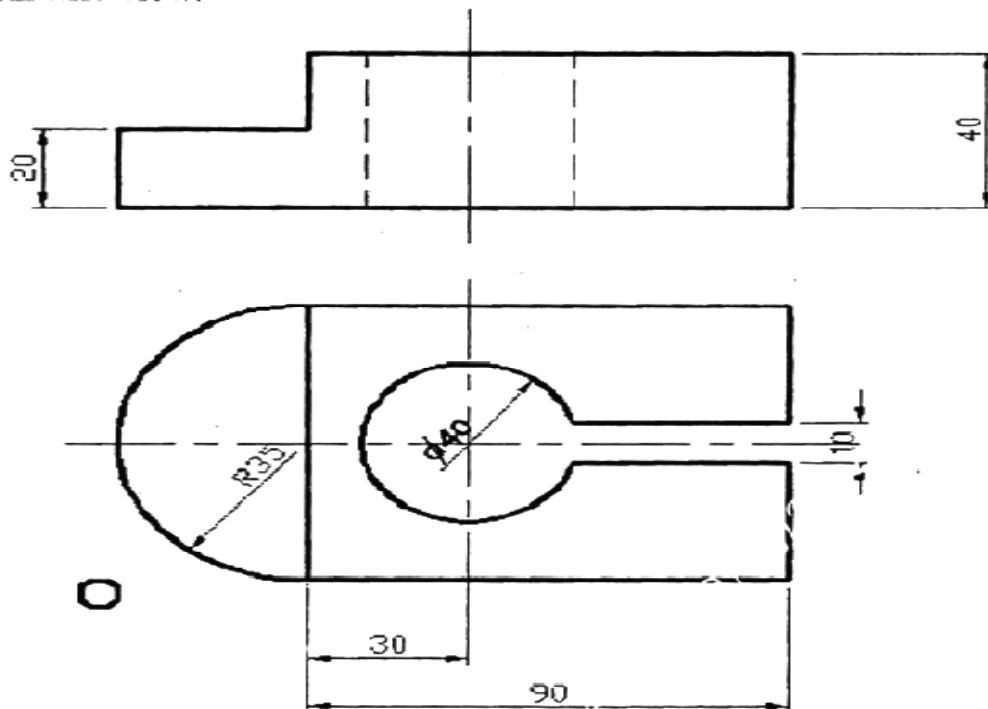
A hexagonal prism of 35mm edge of base and 70 mm length of axis is having an edge of base in the HP and the rectangular face containing that edge is inclined 30° to HP and perpendicular to VP. Draw the projections. [6]

TEST 2 (ENGINEERING DRAWING)**Q.1**

The orthographic projections of an object is given in the figure below. Draw the isometric view.

**Q.2**

The orthographic projections of an object is given in the figure below. Draw the isometric view.

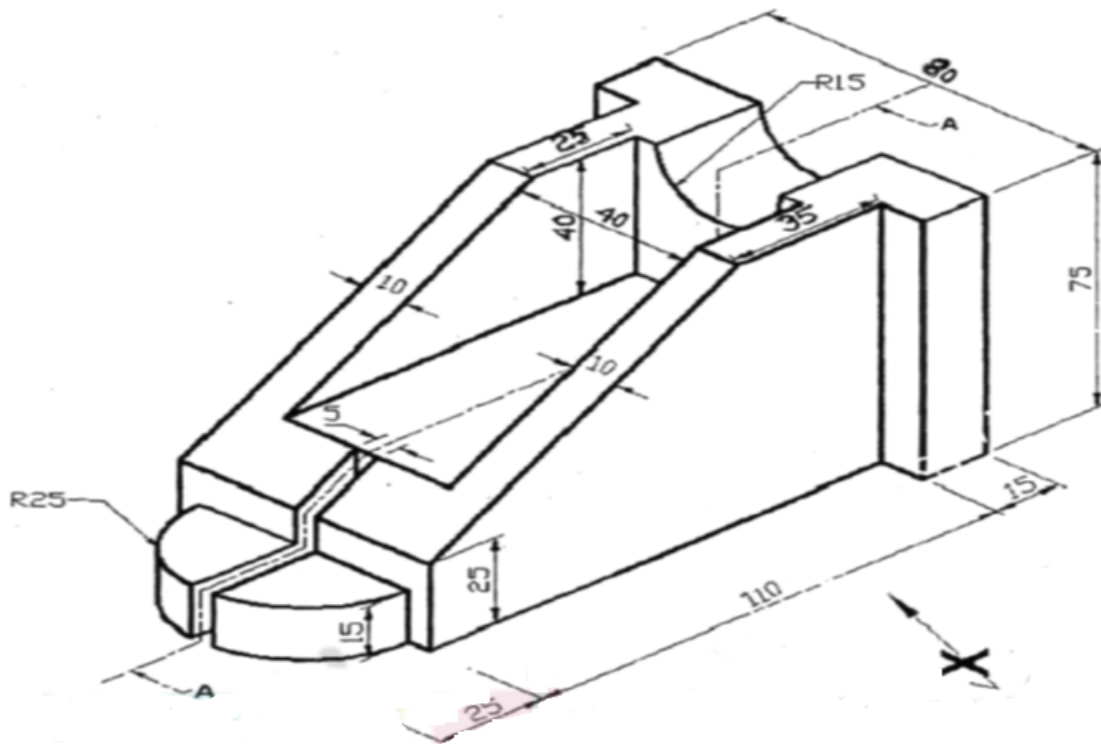


TEST 3 (ENGINEERING DRAWING)

Q.1

Figure given below shows the pictorial view of an object. Draw to full scale the following views

- | | | |
|------|----------------------------------|-----|
| i) | Sectional front view(section AA) | [5] |
| ii) | Top view | [4] |
| iii) | Left hand side view | [4] |
| | Insert 10 major dimensions | [2] |



Q.2

A square pyramid of base side 25mm and altitude 50mm rests on its base on the HP with two sides of the base parallel to VP. It is cut by a plane bisecting the axis and inclined at 30° to the base. Draw front view, sectional top view and true shape of the section. Also draw the development of the lower part of the pyramid.

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