PBJ-1601390101010300 Seat No. _____

First Year B. A. (ID) (Sem. I) Examination

November / December - 2018

Technical Representation Drawing - I

Time : $2\frac{1}{2}$ Hours] [Total Marks : **50**

Instructions : (1) All questions are compulsory.
(2) Any ambiguity will be considered as a wrong answer.

1 A regular hexagon of 25 mm side has one side on the ground. Its plane is inclined at 45 degree to the H.P. and perpendicular to the V.P. Draw its projections. **10**

OR

1 Draw the projections of a circle of 50 mm diameter resting in the H.P. on a point A on the circumference, its plane inclined at 30 degree to the H.P. and parallel to the V.P. **10**

2 Draw the projections of square prism, base 30 mm side and axis 50 mm long, resting on one of its rectangular faces on the H.P. with the axis inclined at 30 degree to the V.P. **10**

OR

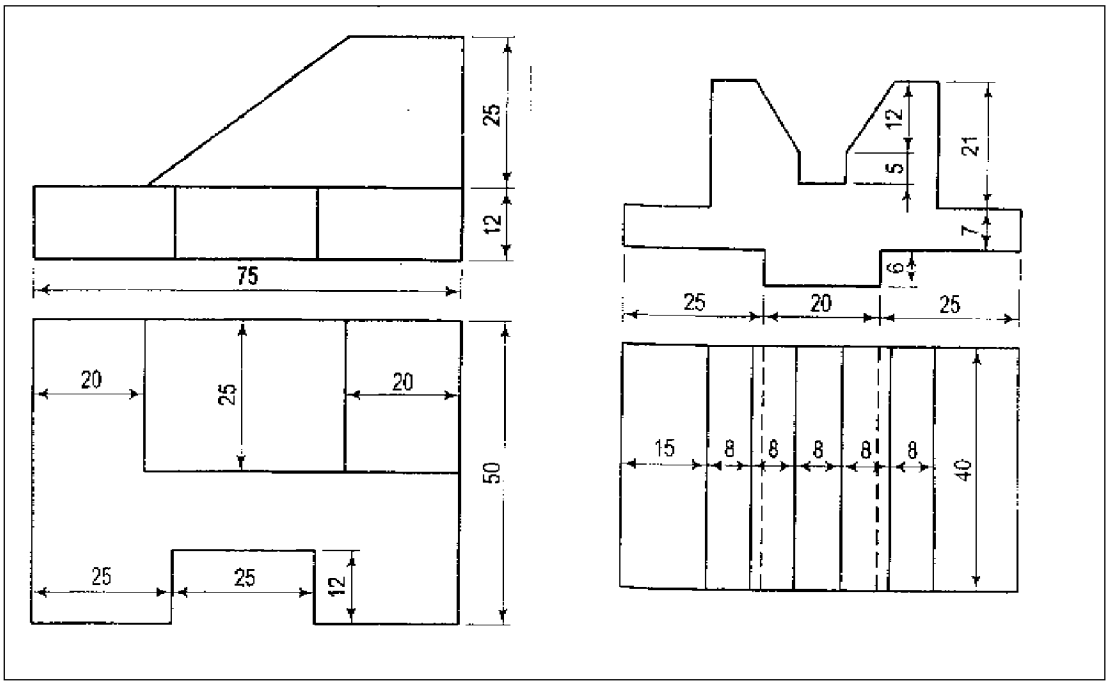
2 Draw the projections of a cone, base 40 mm diameter and axis 50 mm long resting on the H.P., with the axis inclined at 60 degree to the V.P. **10**

3 A square prism of 35 mm long edge of 50 mm long axis is resting on the H..P. on the one of its with a vertical face inclined at 30 degree to the V.P. It is cut by a section plane parallel to the V.P. and 9 mm away from the axis and further away from the V.P. Draw its sectional front view and the top view. **10**

OR

3 A pentagonal pyramid, base 30 mm side and axis 65 mm long, has its base horizontal and an edge parallel to the V.P. A horizontal section plane cuts it at a distance of 25 mm above the base. Draw its front view and sectional top view. **10**

4 Draw the isometric view of given object. **10**



5 Draw one point perspective of the given object : **10**

Condition : Don't take SP aline with the centre of the object.

(a) Hexagon prism (side = 25mm, height = 60 mm)

OR

(b) Triangular pyramid (side = 25 mm, height = 50 mm)