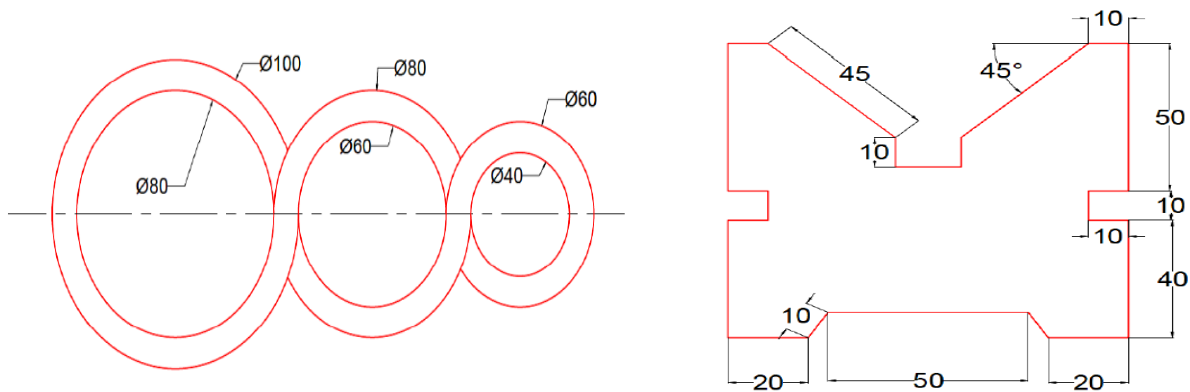


## I Year II Sem CAEGW Mock Test Set3

### Answer all questions

1. (a) Draw a hexagon of 40 mm side with a side vertical. Attach an octagon of same side with common vertical edge.  
(b) Draw the 2D drawings by using auto cad commands.



2. (a) The points A and B are in the HP. The point A is 30 mm in front of VP. The distance between their projectors is 75 mm and the line joining their plans makes an angle of 45 degree with XY. Find the distance of the point B from the V.P.  
(b) The Top view of a 75 mm long line measures 65 mm. While the length of its Front view is 50 mm. it's one end A is 10mm above the H.P and 15mm in front of V.P. Draw the projections of AB and determine its inclinations with H.P and V.P.
3. The midpoint M of a line AB is 60 mm above H. P. and 50 mm in front of V. P. The line measures 80 mm long and inclined at an angle of 30° to H. P. and 45° to V. P. Draw its projections.
4. Draw the projections of a circle of 50 mm diameter resting in the H.P and a point A on the circumference. Its plane is inclined at 45° to the Hp and the top view-of the diameter AB making an angle of 30° with the V.P.