MALLA REDDY UNIVERSITY

(Telangana State Private Universities Act No. 13 of 2020 &
G.O.Ms.No. 14, Higher Education (UE) Department)

Maisammaguda, Kompally,
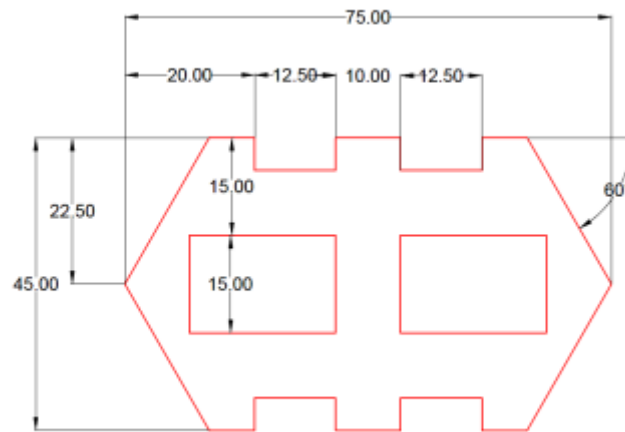Hyderabad - 500100,
Telangana State.

I Year I Sem CAEGW Mock Test Set 1
Answer all questions

1. (a) Draw regular pentagon (a) of having 40 mm side using edge method (b) circle of 60 mm diameter by using circumscribed method (c) circle of 70 mm diameter by using inscribed method.

   (b) Draw an arc 80 mm radius connecting two straight lines inclined at 140o to each other.

   (c) Draw a line PQ (100 mm) inclined at 45° to the Horizontal. Draw another Line RS Parallel to and 60 mm away from PQ and write your name in above of RS line with text height of 15mm.

   (d) Draw the 2D Drawing of the below sketch.

2. (a) Draw the projections of the following points on the same XY line, keeping 30 mm distance between each projector. Name the Quadrants in which they lie.
   i.   Point E is 30 mm below HP and 25 mm behind VP.
   ii. Point F is 35 mm below HP and 35 mm in front of VP.
   iii. Point G is on HP and 30 mm in front of VP.
   iv. Point H is on VP and 35 mm below HP.
   v.   Point I is on HP and 40 mm behind VP.

   (b) An 80 mm long line PQ has its end P on the H.P. and 15 mm in front of the V.P. The line is inclined at 30° to the H.P. and its top view is inclined at 60° to the reference line. Draw the projections of line PQ and determine true angle of inclination with the V.P.

   (3) A 100 long line PQ is inclined at 30° to H. P. and 45° to the V. P. Its mid-point is 35 mm above the H.P. and 50 mm in front of V. P. Draw its projections.

   (4) A hexagonal plane of 30 mm side has its corner A in the H.P. The surface of the plane is inclined at 40º to the H.P. and the top view of diagonal containing corner A is inclined at 30º to the V.P. Draw its projections.