GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY—NELLORE

ENGINEERING DRAWING

UNIT 2(Projection of points)

1 B. TECH— CSE—A

Assignment on projection of points

1 a) M is 35mm above H.P and 40mm in front of V.P

   b) N is lying on H.P and 50mm in front of V.P

   c) P is lying on H.P and 55mm in front of V.P

   d) Q is lying on V.P and 55mm above H.P   (JUNE 2009 ECE S—1)

2 a) Point 'A' is 20mm above H.P and 30mm in front of V.P. Draw its front view and

      top view

   b) A point 'M' is 35mm above H.P and 45mm in front of V.P draw its projections

c) Draw the projections o a point A lying on H.P and 30mm in front of V.P
(JUNE 2009 ECE S—2)

3 a) Draw the projections of the following points in different quadrants

      1) point A25 in front of V.P and 30 above H.P

      2) point B22 behind V.P and 28 above H.P

      3) point C28 behind V.P and 30 below H.P

      4) point D40 in front of V.P and 25 below H.P

   b)   A point 'P' is 25 in front of the V.P and 10 above H.P another point 'Q' is 40 in front
of V.P and 25 above H.P. the distance measured between the projectors is 40. Draw the
projections and find the distance between P and Q.

                              (MAY/JUNE 2008 IT/S 1 2 3, AUG 2008 S2)

4   a) a point 'A' is 25 above the H.P and 30 in front of the V.P draw the projections

      b) a point 'A' is 20 below the H.P and 40 behind the V.P. draw its projections

c) Two points 'A' and 'B' are in H.P the point ' A' is 30 in front of the V.P. while 'B' is behind the V.P. the distance between their projections is 75 and the line joining their top view makes an angle of 45 with the x y. Find the distance of the point 'B' from V.P

5   a) The point 'A' is on H. P AND 40 in front of V. P. Another point of 'B' is on V.P and below H.P. The line joining their front views makes an angle of 45 with the xy. while the line joining their top views makes an angle of 30. Find the distance of 'B' from H.P

b) Draw the projections of the points in their 3rd quadrant when the

1) Point 'A'   lies in the H.P and 22 away from the V.P

2) Point 'B' lies in the V.P and 32 away from the H.P

3) Point 'c' lies 32 from H.P and 22 from V.P

ASSIGNMENT SET BY

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