ASSIGNMENT - 2 - ENGINEERING CURVE

1. Three non-linear points are A, B & C placed on the space. Where AB = 100mm, BC = 55 mm, AC = 75 mm. draw the ellipse passing from all three points.
2. A jet nozzle discharges the water at the angle of 45°. Water gets the maximum distance is 9 m. draw the curve trace by the water.
3. Major axes = 100 mm & minor axes = 70 mm. draw an ellipse with the help of half concentric circle method and half rectangle method.
4. An insect is placed at the end of diameter and it is coming to centre at uniform velocity. And plate is rotate anticlockwise direction. Draw the curve trace path by an insect when it is reached at centre.plate diameter is 120mm.
5. A point is placed at the XY plane. Point is 30 mm from the y axes and 40 mm from x-axes. Draw the hyperbola passing from the point.
6. Draw a line spiral of 10 mm for 5 turn.