

Mechanical Engineering Department

Engineering Drawing & Graphics (ME-111)

Mid Semester Exams

Max. Marks: 30

Time Allowed: 90 Minutes

Note: Draw neat and clean geometries. Also write Steps of Construction

**Question 1:✓**

The major axis of an ellipse is 150 mm long and minor axis is 100 mm long. Find the foci and draw the ellipse by "Arcs of Circles" Method.

**Question 2:✓**

A circle of 50 mm diameter rolls on the circumference of another circle of 175 mm diameter, inside it. Trace the locus of a point 'P' on the circumference of the rolling circle for one complete revolution. Name the curve.

**Question 3:**

a)✓ A point 'A' is situated in 1st Quadrant. Its shortest distance from the intersection point of H.P., V.P., and auxiliary plane is 60 mm and it is equidistant from the principal planes. Draw projections of the point and determine its distance from the principal planes.

b)✓ Differentiate between First Angle Projection Method and Third Angle Projection Method. Also differentiate by graphical symbols.

# Mechanical Engineering Question Papers

**Liying Dong**



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