### University of Engineering & Technology, Taxila

#### 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:v

as not not be

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

A circle of 50mm diameter rolls on the circumference of another circle of 175mm 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 s 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 Past Paper**

**Hussin A.Rothana** 

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