



CE 181103

**1st Semester
Civil and Chemical
Engg**

EGD
Construction Conic Sections

PARABOLA (Part-2)

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E 2. ABC is a triangle such that $AB=100$ mm, $AC=80$ mm and $BC=60$ mm. draw an ellipse passing through A,B and C.

OR

A, B and C are three points such that the distance of A from B is 100 mm, A to C is 80 mm and B to C is 60 mm. Draw an ellipse passing through all these points.

Steps

- ⊗ Draw $AB = 100$ mm, taking A as center and 'AC' as radius draw an arc up, taking B as center BC as radius draw another arc cutting the previous.
- ⊗ Point of intersection will be 'c', Join AC & BC. Find the center of line AB and mark (O).
- ⊗ Join OC and extend it till 'D' such that $OC = OD$.

- ④ Draw lines parallel to AB through 'C' and 'D' and also draw lines parallel to CD through A and B to form the trapezoid PQRS.
- ⑤ Divide 'AO' into suitable no. of equal parts and mark (1, 2, 3, 4) and divide AP into same no of parts and mark (1', 2', 3', 4')
- ⑥ Join 1', 2', 3', 4' with D. Now, Join C1 and extend up to D1'
C2 and " " D2'
C3 and " " D3'
C4 " " " D4'





