

**Jaypee University of Engineering
and Technology, Guna**

**Assignment of
Engineering and
drawing**

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Enroll No. :201B172**

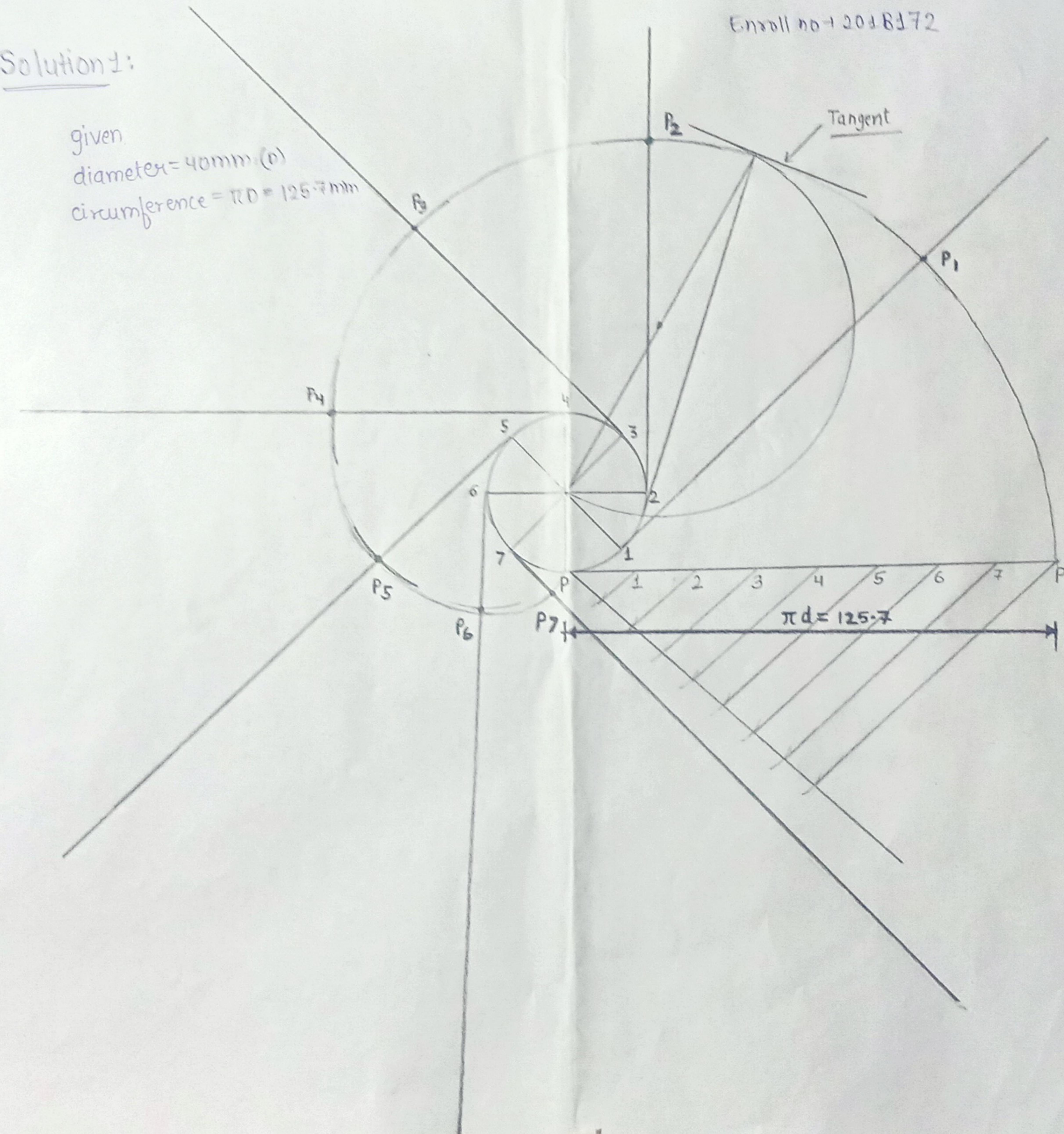
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Solution 1:

given

$$\text{diameter} = 40\text{mm} \quad (r)$$

$$\text{circumference} = \pi d = 125.7\text{mm}$$



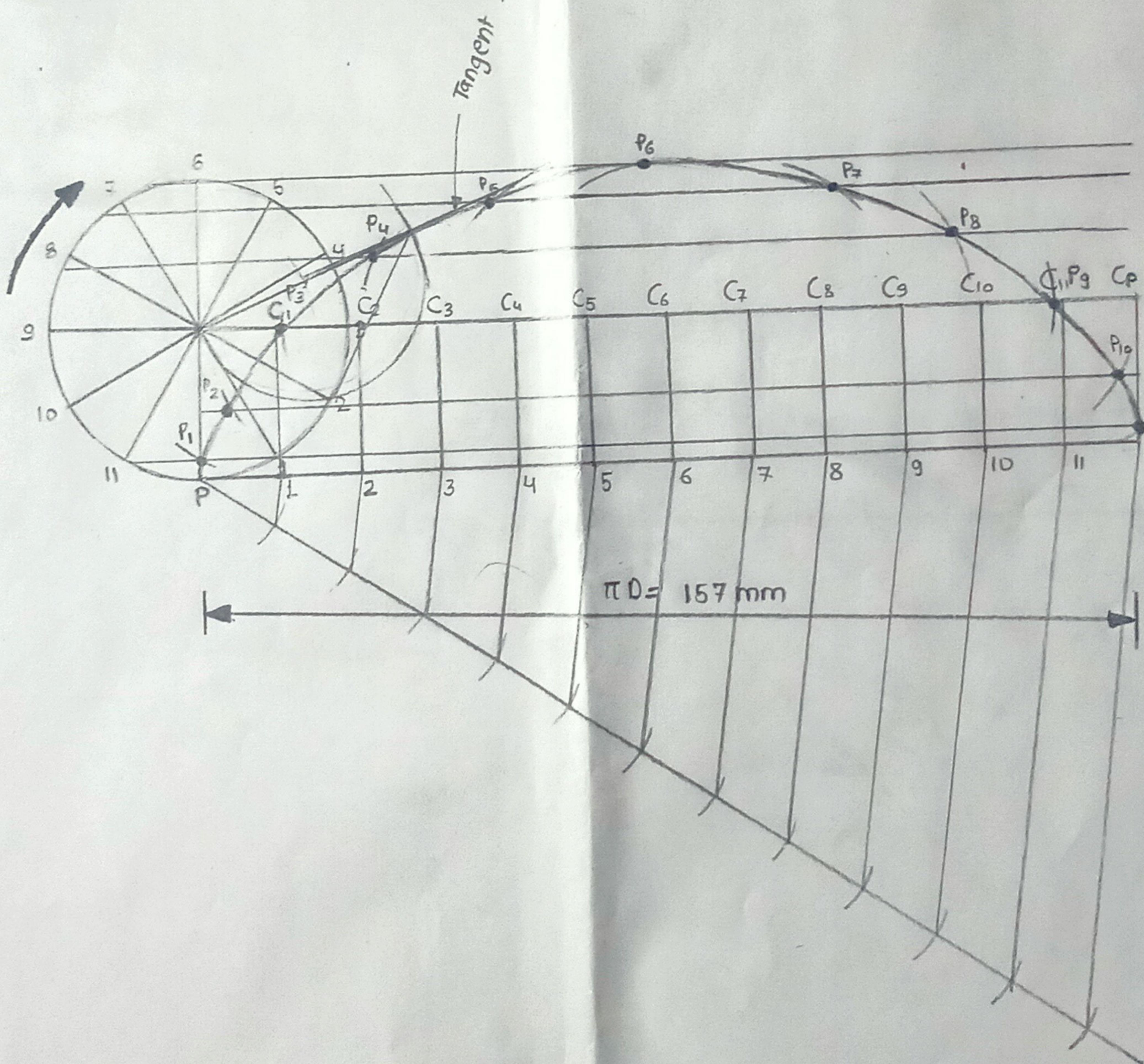
Solution 2

given

$$\text{diameter} = 50\text{mm}$$

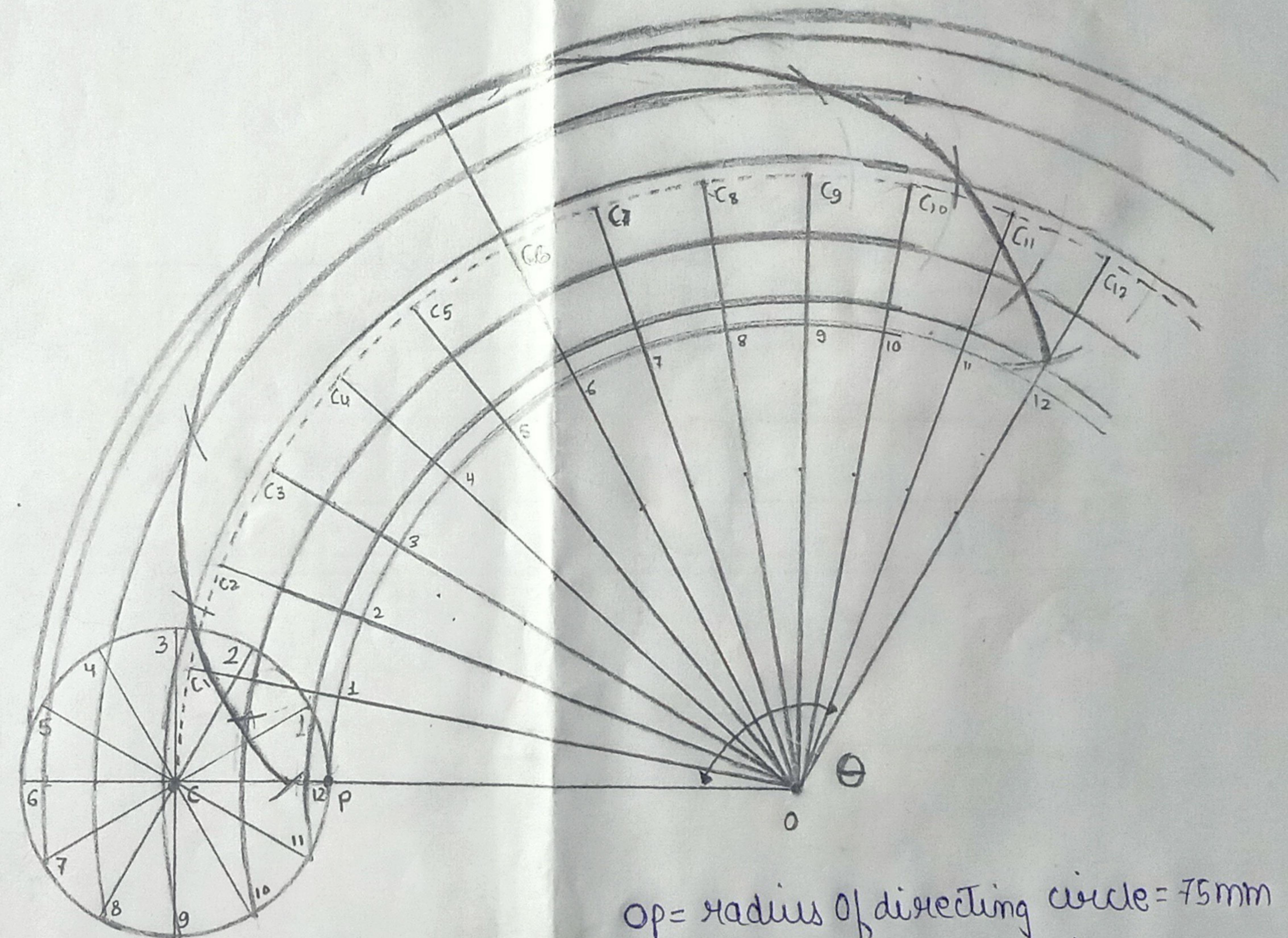
$$\text{circumference} = \pi D = 157$$

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Solution 3

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OP = Radius of directing circle = 75mm

PC = Radius of generating circle = 25mm

$$\Theta = \frac{25}{75} \times 360^\circ = \frac{25}{75} \times 360 = 120^\circ$$

Solution 4

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