

Q 9. If $\frac{1}{\log_3 \pi} + \frac{1}{\log_4 \pi} > x$, then x be

(a) 3

(b) 2

(c) π

(d) none of these

Ans 9

$$\frac{1}{\log_3 \pi} + \frac{1}{\log_4 \pi} > x$$

$$\Rightarrow \log_x 3 + \log_x 4 > x$$

$$\Rightarrow \log_x 12 > x \Rightarrow 12 > \pi^x$$

$$\therefore x = 2$$

Hence, the correct option is (b).