

Medium

DGVCL Vidyut Sahayak JE (Electrician) 2024

$\triangle XYZ$,
 $\angle Z = 90^\circ$.
 $XY = 15 \text{ cm}$ $XZ = 9 \text{ cm}$,
 $YZ = ?$

A

14 cm.

B

15 cm.

C

10 cm.

D

12 cm.

Correct

Correct Answer: D

Full Detailed Explanation

$\triangle XYZ$ is a right-angled triangle with $\angle Z = 90^\circ$.
 $YZ = \sqrt{XY^2 - XZ^2} = \sqrt{15^2 - 9^2} = \sqrt{144} = 12 \text{ cm}$.

Open live question on website:

<https://sarkariresultout.com/pyq/gu/question/in-triangle-xyz-angle-z-is-a-right-angle-if-xy-15-cm-and/>