

Medium

DGVCL Vidyut Sahayak JE (Electrician) 2024

Find the angle of depression of a car from the top of an 8 m high building, if the car is parked at a distance of 8 3 m from the wall of the building.

A

45

B

60

C

30

Correct

D

120

Correct Answer: C

Full Detailed Explanation

$\tan \theta = \text{height/distance} = 8/(8\sqrt{3}) = 1/\sqrt{3}$, so $\theta = 30^\circ$.

Open live question on website:

<https://sarkariresultout.com/pyq/question/find-the-angle-of-depression-of-a-car-from-the-top-of-an-8/>