

18 A motorist travelling at 10 m s^{-1} can bring his car to rest in a distance of 10 m.

If he had been travelling at 30 m s^{-1} , in what distance could he bring the car to rest using the same braking force?

A 17 m

B 30 m

C 52 m

D 90 m

19 A suspended copper wire is gradually loaded until it is stretched just beyond the elastic limit and it