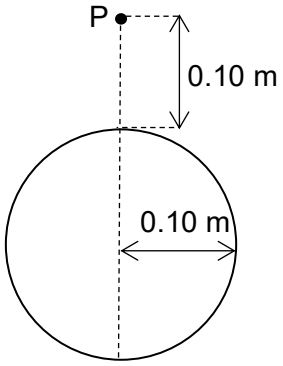
18 The surface of an isolated conducting sphere is at a potential of −180 kV. The radius of the sphere is 0.10 m. P is a point 0.10 m above the surface as shown below.



What is the potential at point P?

A −90 kV **B** −45 kV **C** 45 kV **D** 90 kV