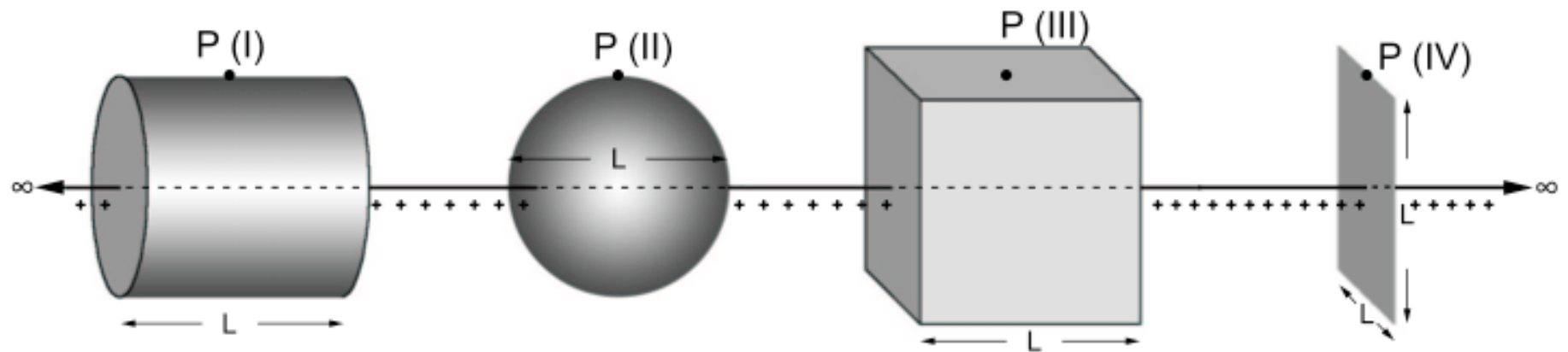4 surfaces are coaxial with an infinitely long line of charge with uniform λ. Choose all surfaces through which $\Phi_E = \lambda L / \varepsilon_0$

P (I)   P (II)   P (III)   P (IV)

A) I only   B) I and II only   C) I and III only

D) I, II, and III only   E) All four.