

31 Two parallel metal plates, a distance of 2 mm apart, have a potential difference of 1000 V across them.

What is the electric field strength between the plates?

- A** 500 V m^{-1} **B** $50\,000 \text{ V m}^{-1}$ **C** $50\,000 \text{ N C}^{-1}$ **D** $500\,000 \text{ N C}^{-1}$

32 An oil droplet has charge $-e$ and is situated between two horizontal metal plates as shown in the