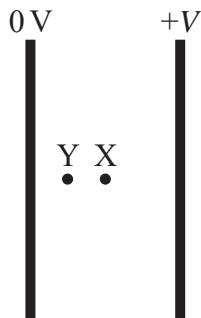


- 7 A potential difference V is applied across two parallel plates. An electron midway between the two plates at point X experiences an electric force F .



The electron moves to point Y which is halfway between point X and the left-hand plate.

Which of the following is the electric force experienced by the electron at Y?

- ☐ A $2F$
- ☐ B F
- ☐ C $\frac{F}{2}$
- ☐ D $\frac{F}{4}$

(Total for Question 7 = 1 mark)