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1) Recall from Electric field theory

$$F = qE \quad ---(1)$$

Recall from Newton's Second law

$$F = ma \quad ----(2)$$

Comparing equa (i) and (ii)

$$ma = qE$$

$$a = qE/m$$

Recall q = charge of an electron $= 1.6 \times 10^{-19}$ C

m = mass of an electron $= 9.11 \times 10^{-11}$ Kg

$\therefore a$ = magnitude of acceleration $= \dfrac{1.6 \times 10^{-11} \times E}{9.11 \times 10^{-31}}$

$$= 0.176 \times 10^{12} E$$

$\therefore a$ = magnitude of acceleration $= 1.76 \times 10^{12} E$

If the direction of the uniform electric field is upward and the electron is shot horizontally into it, the direction of its acceleration will be downwards.

2a) An electric field is a region of space that surrounds each electric charge and exerts force on all other charges in the field either attracting or repelling them.

2b) Magnetic field can be defined as a region of space surrounding a moving charged particle in which a magnetic force acts on another moving charged particle.

(2c) An electric Current can be defined as the time rate flow of an electric charge in the direction that a positive moving charge would take and having magnitude equal to the quantity of charge per unit time.