

Amir

5. a) Fuse is a device which melts and breaks the circuit. When a large amount of electricity passes through ~~and~~ it will break ^{the circuit and} ~~can~~ prevent possible fire.

b) Time = 20 minute = 1200 second
Speed = 3 m/sec

$$\therefore \text{Distance} = \text{Speed} \times \text{Time} = 1200 \times 3 \\ = 3600 \text{ m}$$

c) When electricity passes through a coil it ~~becomes~~ behaves like a magnet. This is called the magnetic effect of electric current. It is used to lift heavy load, sort substance, take metals from the eye. This is a temporary and loses property if there is no electricity passing through the coil.