Effect of Electric Current

1. **Fill in the blanks**

   A. When electric current passes through a wire, it behaves like a _____.

   B. Electric current can convert a straight conductor into a _____ magnet.

2. **True or false**

   A. The wires used for making electric circuits do not normally become hot.

   B. Incandescent electric bulbs should be used as source of heat.

   C. If a large current passes through a wire, the wire may become so hot that it may even melt and break.

   D. An electric current can be used to make magnets.

   E. An electromagnet does not attract a piece of iron.

3. **Match the following:-**

Column A	Column B
I. Filament	A. Electromagnet
II. Electric heater	B. Fuse
III. Miniature circuit breakers	C. Nichrome
IV. Electric bell	D. Red hot

4. Answer the following questions

A. Why do we use wires of different material, thickness, and length?

B. What is an ISI mark? Which government body assigns this mark and what does it mean?

C. What are electric fuses? What are their use and what types of wires are used to create them?

D. What is electromagnet? How is it created? List down the different uses of electromagnets.

E. Explain the functioning of an electric bell.

F. What is solenoid? Explain with a diagram