

## LN. 12 : ELECTRICITY AND CIRCUITS

I Fill in the blanks :

1. An electric \_\_\_\_\_ is a continuous path along which the current flows.
2. A circuit in which electricity does not flow is called an \_\_\_\_\_ circuit.
3. The source of electricity in an electric cell are the \_\_\_\_\_ stored in it.
4. Rubber is a good example of electric \_\_\_\_\_.
5. A device that is used to break or complete an electric circuit is called \_\_\_\_\_.
6. An electric cell has \_\_\_\_\_ terminals.
7. If the filament of a bulb breaks, it is said to be \_\_\_\_\_.
8. An electric current is \_\_\_\_\_ when no current flows through it.
9. Electric current flows from \_\_\_\_\_ terminal to \_\_\_\_\_ terminal of cell in the circuit.

II Give one word for the following statements :

1. The source of electricity \_\_\_\_\_
2. Thin wire in a bulb which gives out light \_\_\_\_\_
3. The arrangement of providing a complete path for electricity to pass between two terminals of the electric cell \_\_\_\_\_
4. Some times electric bulb does not glow even when electric switch is 'ON' then we say that bulb is \_\_\_\_\_
5. An electric appliance which makes or breaks an electric circuit \_\_\_\_\_

III Mark True (T) or False (F) for following statements :

- a. Electric current can flow through metals.
- b. Instead of metal wires, a jute string can be used to make a circuit.
- c. Electric current can pass through a sheet of thermocol.
- d. When current flows through a circuit, the circuit is called open circuit.
- e. Electric current can easily flow through Copper.
- f. When an electric circuit is closed, the electric current stops flowing through it.

IV Tick the correct answer :

- 1. Choose a good conductor from the following materials.
  - a) Pencil lead                      b) Thermocol                      c) Wooden block
- 2. Which of the following is not a good conductor of electricity.
  - a) Mercury              b) Copper              c) Plastic              d) Aluminum foil
- 3. Switch is 'OFF' when
  - a) circuit is complete
  - b) Circuit is not complete
  - c) Current is flowing in the circuit
  - d) Cell is fully charged