## LN. 12 : ELECTRICITY AND CIRCUITS

- I Fill in the blanks :
- 1. An electric \_\_\_\_\_\_ is a continuous path along which the current flows.
- 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 of 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 \_\_\_\_\_
- 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