1. What is the function of a switch in an electric circuit?
   A. To store electricity
   B. To produce light
   C. To open or close the electric circuit
   D. To increase voltage (A)

*Explanation :* A switch is used to open or close an electric circuit, thereby controlling the flow of electric current.

2. Which material is commonly used to make switches?
   A. Plastic B. Wood
   C. Rubber D. Metal (D)

*Explanation :* Switches are made from conducting materials like metals such as copper or aluminium.

3. What happens when a switch is in the OFF position?
   A. The bulb glows brightly
   B. The circuit is closed
   C. The path is broken and no current flows
   D. The battery stops working (C)

*Explanation :* When the switch is OFF, the circuit is open, the path is broken, and no current flows.

4. In which condition does a bulb glow in a circuit with a switch?
   A. When the switch is OFF
   B. When the circuit is open
   C. When the switch is ON
   D. When the wires are loose (C)

*Explanation :* The bulb glows only when the switch is ON and the circuit is closed.

5. What is meant by an open circuit?
   A. A circuit with flowing current
   B. A circuit with no battery
   C. A circuit where the path is broken
   D. A circuit with extra wires (C)

*Explanation :* An open circuit has a break in the path, so electric current cannot flow.

6. Which statement correctly describes a closed circuit?
   A. Switch is OFF and bulb glows
   B. Switch is ON and current flows
   C. Path is broken and bulb glows
   D. No current flows in the circuit (B)

*Explanation :* In a closed circuit, the switch is ON, the path is complete, and current flows.

7. Why does a bulb not glow in an open circuit?
   A. The bulb is fused
   B. The battery is new
   C. The current cannot flow
   D. The switch is metallic (C)

*Explanation :* In an open circuit, the gap in the path prevents current from flowing, so the bulb does not glow.

8. Are all switches the same in design and working?
   A. Same design and same working
   B. Different design and different working
   C. Same design but different working
   D. Different design but same working (D)

*Explanation :* Switches may look different but they all work in the same way by opening or closing the circuit.

9. What happens to the circuit when the switch is ON?
   A. The circuit breaks
   B. The battery discharges
   C. The circuit is closed
   D. The lamp holder melts (C)

*Explanation :* When the switch is ON, the circuit becomes closed and allows current to flow.

10. Which of the following statements is TRUE?
    A. In an open circuit, current flows
    B. In a closed circuit, the bulb does not glow
    C. A switch helps control electric current
    D. Switches are made of insulators only (C)

*Explanation :* A switch controls the flow of electric current by opening or closing the circuit.