

# **BRAIN INTERNATIONAL SCHOOL**

**Science Assignment**

**Class: VI**

**November'2024**

## **Chapter -9: Electricity and circuits**

### **1. Choose the correct option:**

- (i) Filament of a bulb is made up of  
(a) Aluminium      (b) Chromium      (c) Platinum      (d) Tungsten
- (ii) To prevent electric shocks, the metallic electrical wires are covered with  
(a) Paper      (b) Cotton      (c) Aluminium      (d) Plastic

### **2. In each of the following questions, two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:**

- a) Both A and R are true, and R is correct explanation of the assertion.  
b) Both A and R are true, but R is not the correct explanation of the assertion.  
c) A is true, but R is false.  
d) Both assertion and reason are false.
- (i) Assertion (A): In a closed electric circuit the current passes from one terminal of the electric cell to the other terminal.  
Reason (R): Generally, the metallic disc of a cell act as positive terminal.
- (ii) Assertion (A): Silver is not used to make electric wires.  
Reason (R): Silver is a bad conductor.

### **3. Answer the following questions:**

1. Give any difference between a cell and a battery.
2. What is meant by a battery?
3. Draw the circuit diagram for operating a bulb with the help of a dry cell.
4. Define conductor and insulators. Give one example of each.
5. Distinguish between open and closed circuit.
6. Draw a well labelled diagram of electric torch.