

Name: _____ Date: _____

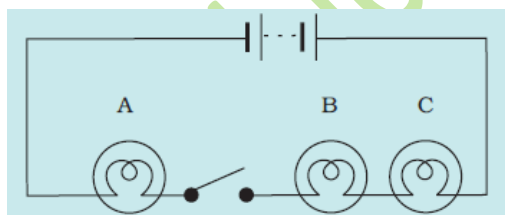
Electric Current and its Effects

Q1. Draw the symbols to represent the following components of electrical circuits: connecting wires, switch in the 'OFF' position, bulb, cell, switch in the 'ON' position, and battery.

Ans.

<u>Electric Components</u>	<u>Symbol</u>
Connecting wires	
Switch in the 'OFF' position	
Bulb	
Cell	
Switch in the 'ON' position	
Battery	

Q2. In the circuit shown in the below Fig.








- (i) Would any of the bulbs glow when the switch is in the 'OFF' position?
- (ii) What will be the order in which the bulbs A, B and C will glow when the switch is moved to the 'ON' position?

Ans.

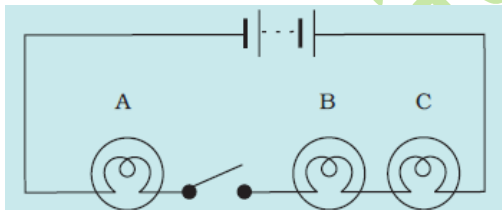
Electric Current and its Effects

Q1. Draw in the symbols to represent the following components of electrical circuits: connecting wires, switch in the 'OFF' position, bulb, cell, switch in the 'ON' position, and battery.

Ans.

<u>Electric Components</u>	<u>Symbol</u>
Connecting wires	—
Switch in the 'OFF' position	
Bulb	
Cell	
Switch in the 'ON' position	
Battery	

Q2. In the circuit shown in the below Fig.



- Would any of the bulbs glow when the switch is in the 'OFF' position?
- What will be the order in which the bulbs A, B and C will glow when the switch is moved to the 'ON' position?

Ans. i. No, bulb will not glow when the switch is in the 'OFF' position because current does not flow through the circuit.

ii. All the bulbs will glow simultaneously when the switch is moved to the 'ON' position.