

Electricity - Class X - Paper Set 2

- In a series circuit, the total resistance is:
 - The average of all resistances
 - The highest of the resistances
 - The sum of all resistances
 - The lowest of all resistances
- When two resistors are connected in parallel, the total resistance:
 - Increases
 - Decreases
 - Remains the same
 - Becomes zero
- Which of the following is NOT a unit of electrical power?
 - Watt
 - Joule
 - Volt-Ampere
 - Kilowatt
- The device used to measure potential difference is:
 - Ammeter
 - Rheostat
 - Voltmeter
 - Galvanometer
- A resistor of $10\ \Omega$ is connected to a $5\ \text{V}$ battery. The current through the resistor is:
 - $0.5\ \text{A}$
 - $1\ \text{A}$
 - $2\ \text{A}$
 - $5\ \text{A}$
- If a $100\ \text{W}$ bulb operates at $220\ \text{V}$, the resistance of the bulb is:
 - $44\ \Omega$
 - $220\ \Omega$
 - $484\ \Omega$
 - $1000\ \Omega$
- The commercial unit of electrical energy is:
 - Watt-hour
 - Kilowatt-hour
 - Joule
 - Volt

