Electricity - Class X - Paper Set 3

 Which physical qua A) Voltage 	antity is represented by B) Current	the rate of flow of charge? C) Resistance	D) Power
2. What is the SI unit A) Volt	of resistance? B) Ampere	C) Ohm	D) Coulomb
3. According to Ohm's Law, the ratio of voltage to current is constant for which type of conductor?			
A) Superconductor C) Ohmic conductor		B) Non-ohmic condu D) Semiconductor	ctor
4. Which device is usA) Voltmeter	ed to measure electric (B) Ammeter	current in a circuit? C) Galvanometer	D) Rheostat
5. In a series circuit, the total resistance is equal to the:A) Reciprocal of the sum of individual resistancesB) Sum of the individual resistancesC) Square of the largest resistanceD) Product of the resistances			
6. In a parallel circuitA) Different	, the voltage across eac B) The same	ch component is: C) Twice the total voltage	D) Zero
7. What is the comme A) Joule	ercial unit of electrical (B) Watt	energy? C) Kilowatt-hour	D) Ampere
8. What happens to the resistance of a conductor if its length is doubled?A) Remains the same B) Doubles			
C) Halves		D) Becomes four times	
9. What is the power consumed by a device operating at 220 V and drawing a current of 5 A?A) 440 WB) 1100 WC) 550 WD) 2200 W			
10. Which material is commonly used for making heating elements in electric heaters?A) CopperB) AluminumC) TungstenD) Nichrome			

Answers - Paper Set 1

1. B

2. C

3. C

4. B

5. B

6. B

7. C 8. B

0. D

9. D 10. D