

Current Electricity

Sr	Questions	Answers Choice
1	The equivalent resistance in parallel combination is:	A. R $<$ sub $>$ c $<$ /sub $>$ =R $<$ sub $>$ 1 $<$ /sub $>$ +R $<$ sub $>$ 2 $<$ /sub $>$ +R $<$ sub $>$ 3 $<$ /sub $>$ ++R $<$ sub $>$ n $<$ /sub $>$ B. R $<$ sub $>$ c $<$ /sub $>$ =1/R $<$ sub $>$ 1 $<$ /sub $>$ 1 $<$ /sub $>$ 1 $<$ /sub $>$ 1/R $<$ sub $>$ 2 $<$ /sub $>$ +1/R $<$ sub $>$ 3 $<$ /sub $>$ ++1/R $<$ sub $>$ n $<$ /sub $>$ D. None of these
2	Resistance of conductor is directly proportional to:	A. Length B. Pressure C. Area D. All of these
3	The unit of resistance is:	A. Ω-m B. Ω C. V D. C
4	The unit of (ρ) in formula R=ρ.L/a is	A. Ω B. Ω -m C. Ω -m ² D. Ω -m ⁻²
5	What type of graph is in between V and I?	A. Curved B. Parabola C. Straight line D. None of these
6	According to Ohm's law V	A. I ² R B. IR ² C. IR D. I/R
7	The unit of potential difference is:	A. Volt B. Coulomb C. Ampere D. Joule
8	The resistance of conductors is due to:	A. Protons B. Fixed atoms C. Molecules D. Neutrons
9	Battery converts chemical energy into which energy:	A. Mechanical B. Electrical C. Thermal D. None of these
10	The rate of flow of charge through any cross-sectional area is called:	A. potential difference B. Energy C. Coulomb D. Electric current
11	The ampere is a unit of:	A. Energy B. Potential differrence C. Electric potential D. Electric current
12	The combined resistance of two identical resistors, connected in series is 8Ω. Their combined resistance in a parallel arrangement will be:	A. 2Ω [endif] <o:p></o:p>B. 4Ω C. 8Ω