

Current Electricity

Sr	Questions	Answers Choice
1	Mathematical form of Ohm's law is:	A. $V = IR$ B. $V = I^2R$ C. $V = Qt$ D. $V = IR^2$
2	What type of graph is in between V and I?	A. Curved B. Parabola C. Straight line D. None of these
3	Which one is a safety device?	A. Switch B. Fuse C. Circuit breaker D. Both B and C
4	Specific resistance of copper is _____ $\times 10^{-8}$ Ohm-meter	A. 1.62 B. 1.69 C. 5.25 D. 2.75
5	The ampere is a unit of:	A. Energy B. Potential difference C. Electric potential D. Electric current
6	Specific resistance of silver = _____ $\times 10^{-8}$ Ohm-meter	A. 5.25 B. 2.75 C. 1.69 D. 1.62
7	The A.C. used in our houses has frequency _____ cycle/sec	A. 60 B. 30 C. 50 D. 130
8	An electric current in conductors is due to the flow of:	A. Positive ions B. Negative ions C. Positive charge D. free electron
9	The mirror whose inner surface is reflecting is called:	A. Concave mirror B. Convex mirror C. Mirror D. Lens
10	Electron gun has an electrode called for controlling the flow of electrons in the beam:	A. Plate B. Grid C. Screen D. Filament
11	Which wire has lowest resistance?	A. Thick wire B. Thin wire C. Very thin wire D. All
12	The unit of resistance is:	A. Ω -m B. Ω C. V D. C
13	Electric potential and e.m.f.	A. are the same terms B. are the different terms C. have different units D. both b and c

14	The S.I unit of electric current is:	A. Volt B. Ampere C. Coulomb D. Watt
15	A conductor of electric current is:	A. Wood B. Rubber C. Plastic D. Copper
16	A converging mirror with a radius of 20cm creates a real image 30 cm from the mirror. What is the object distance:	A. 5.0 cm B. 7.5 cm C. 15 cm D. 20 cm
17	The sensation of sound persists in our brain for:	A. 0.1 sec B. 0.01 sec C. 1 sec D. 10 sec
18	The resistance of voltmeter is:	A. zero B. low C. Very high D. 10Ω
19	Which instrument measures the potential difference:	A. Voltmeter B. Barometer C. Galvanometer D. Ammeter
20	The S.I unit of electric power is:	A. Volt B. Watt C. Ampere D. Joule