

Current Electricity

Sr	Questions	Answers Choice
1	Electron gun has an electrode called for controlling the flow of electrons in the beam:	<p>A. Plate</p> <p>B. Grid</p> <p>C. Screen</p> <p>D. Filament</p>
2	The sensation of sound persists in our brain for:	<p>A. 0.1 sec</p> <p>B. 0.01 sec</p> <p>C. 1 sec</p> <p>D. 10 sec</p>
3	What type of graph is in between V and I?	<p>A. Curved</p> <p>B. Parabola</p> <p>C. Straight line</p> <p>D. None of these</p>
4	The resistance of voltmeter is:	<p>A. zero</p> <p>B. low</p> <p>C. Very high</p> <p>D. 10Ω</p>
5	What is the voltage across a 6Ω resistor when 3 A of current passes through it?	<p>A. 2 V</p> <p>B. 9 V</p> <p>C. 18 V</p> <p>D. 36 V</p>
6	The unit of potential difference is:	<p>A. Volt</p> <p>B. Coulomb</p> <p>C. Ampere</p> <p>D. Joule</p>
7	Which wire has lowest resistance?	<p>A. Thick wire</p> <p>B. Thin wire</p> <p>C. Very thin wire</p> <p>D. All</p>
8	Specific resistance of silver = _____ x 10 ⁻⁵ Ohm-meter	<p>A. 5.25</p> <p>B. 2.75</p> <p>C. 1.69</p> <p>D. 1.62</p>
9	The unit of resistance is:	<p>A. Ω-m</p> <p>B. Ω</p> <p>C. V</p> <p>D. C</p>
10	An object is placed at the Centre of curvature of a concave mirror. The image produced by the mirror is located:	<p>A. Out beyond the centre of curvature</p> <p>B. At the centre of curvature</p> <p>C. Between the centre of curvature and the focal point</p> <p>D. At the focal point</p>
11	The distance between principal focus and pole of mirror is called:	<p>A. Principal focus</p> <p>B. Focal length</p> <p>C. Aperture</p> <p>D. Image</p>

12	The S.I unit of electric power is:	A. Volt B. Watt C. Ampere D. Joule
13	The characteristics of sound by which we can distinguish between two sounds of same loudness and pitch is called.	A. <p>Intensity</p> B. <p>Quality</p> C. <p>Loudness</p> D. <p>Pitch</p>
14	What is the power rating of a lamp connected to a 12 v source when it carries 2.5 A?	A. 4.8 W B. 14.5 W C. 30 W D. 60 W
15	How Galvanometer is connected in circuit to detect current?	A. In Series B. In Parallel C. Fixed D. Variable
16	As the temperature of a conductor rises, its resistance.	A. Increase B. Decrease C. Does not change D. None of these
17	The ampere is a unit of:	A. Energy B. Potential difference C. Electric potential D. Electric current
18	The mirror whose inner surface is reflecting is called:	A. <p>Concave mirror</p> B. <p>Convex mirror</p> C. <p>Mirror</p> D. <p>Lens</p>
19	What should household appliances be connected in parallel with the voltage source?	A. to increase the resistance of the circuit B. to decrease the resistance of the circuit C. to provide each appliance the same voltage as the power source D. to provide each appliance the same current as the power source
20	Mathematical form of Ohm's law is:	A. $V = IR$ B. $V = I^2R$ C. $V = Qt$ D. $V = IR^2$