

Current Electricity

Sr	Questions	Answers Choice
1	According to Ohm's law $V = \underline{\hspace{2cm}}$	A. I^2R B. IR^2 C. IR D. I/R
2	Resistance of conductor is directly proportional to:	A. Length B. Pressure C. Area D. All of these
3	LDR can act as:	A. Diode B. Switch C. Transistor D. Rectifier
4	What type of graph is in between V and I?	A. Curved B. Parabola C. Straight line D. None of these
5	Specific resistance of silver = $\underline{\hspace{2cm}} \times 10^{-8}$ Ohm-meter	A. 5.25 B. 2.75 C. 1.69 D. 1.62
6	Which combination forms NAND gate:	A. AND & OR B. AND & NOT C. NOT & OR D. NAND & NOT
7	In medical field, C.R.O is used to display:	A. Heart beats B. Pictures of organs C. Pictures of bones D. Blood pressure
8	The equivalent resistance in parallel combination is:	A. $R_c = R_1 + R_2 + R_3 + \dots + R_n$ B. $R_c = 1/R_1 + 1/R_2 + 1/R_3 + \dots + 1/R_n$ C. a and b D. None of these
9	Joule's law is $W = \underline{\hspace{2cm}}$	A. IR/t B. IRt^2 C. IR^2t D. I^2Rt
10	The ampere is a unit of:	A. Energy B. Potential difference C. Electric potential D. Electric current
11	The more negative potential of grid, the more electrons will be:	A. Attracted B. Repelled C. Attracted as well as repelled D. Neither attracted nor repelled
12	The rate of flow of charge through any cross-sectional area is called:	A. potential difference B. Energy C. Coulomb D. Electric current
13	Example of mechanical waves is:	A. Radio waves B. X-rays C. Light waves D. Sound waves
14	Battery converts chemical energy into which energy:	A. Mechanical B. Electrical C. Thermal D. None of these
	A conductor of electric current	A. Wood B. Rubber

15 A conductor of electric current is:
B. Rubber
C. Plastic
D. Copper

16 An object is placed at the Centre of curvature of a concave mirror. The image produced by the mirror is located:
A. Out beyond the centre of curvature
B. At the centre of curvature
C. Between the centre of curvature and the focal point
D. At the focal point

17 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

18 The diameter of spherical mirror is called:
A. Curvature
B. Aperture
C. Sphere
D. Both a and b

19 The equivalent resistance of a parallel combination is
A. equal to sum of all resistance
B. is greater than the largest resistance of combination
C. is smaller than the smallest resistance of combination
D. All of these

20 How Galvanometer is connected in circuit to detect current?
A. In Series
B. In Parallel
C. Fixed
D. Variable