

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	The equivalent resistance in parallel combination is:	A. $R_1 + R_2 + R_3 + \dots + R_n$ B. $\frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} + \dots + \frac{1}{R_n}$ C. a and b D. None of these
3	The screen of a cathode ray tube consists of a thin layer of:	A. Sodium B. Nitrogen C. Oxygen D. Phosphorus
4	The S.I unit of electric power is:	A. Volt B. Watt C. Ampere D. Joule
5	Which instrument is used to detect current?	A. Galvanometer B. Voltmeter C. Ammeter D. Electroscopes
6	Electric current in conductors is due to the flow of:	A. Positive ions B. Negative ions C. Positive charge D. Free electrons
7	The index of refraction depends on:	A. The focal length B. The speed of light C. The image distance D. The object distance
8	The property of substance, which opposes the flow of current through it is called.	A. Resistance B. Reactance C. Resistivity D. None of these
9	The resistance of conductors is due to:	A. Protons B. Fixed atoms C. Molecules D. Neutrons
10	The ampere is a unit of:	A. Energy B. Potential difference C. Electric potential D. Electric current
11	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
12	What is the voltage across a 6Ω resistor when 3 A of current passes through it?	A. 2 V B. 9 V C. 18 V D. 36 V
13	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
14	The diameter of spherical mirror is called:	A. Curvature B. Aperture C. Sphere D. None of these

mirror is called.

- C.

Sphere
- D.

Both a and b

15 The current used in houses is:

- A. A.C.
- B. Conventional current
- C. Current
- D. D.C

16 Which combination forms NAND gate:

- A. AND & OR
- B. AND & NOT
- C. NOT & OR
- D. NAND & NOT

17 The characteristics of sound by which we can distinguish between two sounds of same loudness and pitch is called.

- A. Intensity
- B. Quality
- C. Loudness
- D. Pitch

18 The mirror whose outer surface is reflecting is called:

- A. Concave mirror
- B. Convex mirror
- C. Mirror
- D. Lens

19 What happens to the intensity of the brightness of the lamps connected in series as more and more lamps are added?

- A. Increases
- B. Decreases
- C. Remains the same
- D. Can not be predicted

20 The S.I unit of potential difference is:

- A. Ampere
- B. Coulomb
- C. Volt
- D. Watt