

Current Electricity

Sr	Questions	Answers Choice
1	Which one is a safety device?	A. Switch B. Fuse C. Circuit breaker D. Both B and C
2	What is the voltage across a 6Ω resistor when 3A current passes through it?	A. 2V B. 9V C. 18V D. 36V
3	The speed of sound in a liquid isthan that in gases:	A. <p class="MsoNormal">Ten times</p> <p></o:p></p></p>
4	AND operation is represented by:	A. <p class="MsoNormal">Dot (.)</p> <p></o:p></p></p>
5	We can distinguish between the notes of a piano and flute due to of sound.	A. <p class="MsoNormal">Loudness</p> <p></o:p></p></p>
6	Which instrument is used to detect current?	A. Galvanometer B. Voltmeter C. Ammeter D. Electroscop
7	Electric current in conductors is due to the flow of:	A. Positive ions B. Negative ions C. Positive charge D. Free electrons
8	Which we double the voltage in a simple electric circuit. We double the	A. Current B. Power C. Resistance D. both a and b
9	Resistance of conductor is directly proportional to:	A. Length B. Pressure C. Area D. All of these
10	How Galvanometer is connected in circuit to detect current?	A. In Series B. In Parallel C. Fixed D. Variable
11	Specific resistance of copper is $\times 10^{-8}$ Ohm-meter	A. 1.62 B. 1.69 C. 5.25

C. 3.25
D. 2.75

12 Specific resistance of silver = _____ x 10⁻⁸ Ohm-meter

A. 5.25
B. 2.75
C. 1.69
D. 1.62

13 The mirror whose outer surface is reflecting is called:

A.

Concave mirror

B.

Convex mirror

C.

Mirror

D.

Lens

14 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

15 The index of refraction depends on:

A.

The focal length

B.

The speed of light

C.

The image distance

D.

The object distance

16 Battery converts chemical energy into which energy:

A. Mechanical
B. Electrical
C. Thermal
D. None of these

17 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

18 That period in which voltage repeats its value in equal intervals is called:

A. cycle
B. Time period
C. Frequency
D. Amplitude

19 The sensation of sound persists in our brain for:

A.

0.1 sec

B.

0.01 sec

C.

1 sec

D.

10 sec

20 The unit of power is _____

A. Volt
B. Watt
C. Joule
D. Coulomb