

## Current Electricity

Sr	Questions	Answers Choice
1	The resistance of voltmeter is:	<p>A. zero</p> <p>B. low</p> <p>C. Very high</p> <p>D. <math>10\Omega</math></p>
2	The property of substance, which opposes the flow of current through it is called.	<p>A. Resistance</p> <p>B. Reactance</p> <p>C. Resistivity</p> <p>D. None of these</p>
3	Half of radius of curvature is called:	<p>A. <code>&lt;p class="MsoNormal"&gt;Focal length&lt;/p&gt;&lt;/code&gt;</code></p> <p>B. <code>&lt;p class="MsoNormal"&gt;Principal focus&lt;/p&gt;&lt;/code&gt;</code></p> <p>C. <code>&lt;p class="MsoNormal"&gt;Axis&lt;/p&gt;&lt;/code&gt;</code></p> <p>D. <code>&lt;p class="MsoNormal"&gt;Aperture&lt;/p&gt;&lt;/code&gt;</code></p>
4	A converging mirror with a radius of 20cm creates a real image 30 cm from the mirror. What is the object distance:	<p>A. <code>&lt;p class="MsoNormal"&gt;5.0 cm&lt;/p&gt;&lt;/code&gt;</code></p> <p>B. <code>&lt;p class="MsoNormal"&gt;7.5 cm&lt;/p&gt;&lt;/code&gt;</code></p> <p>C. <code>&lt;p class="MsoNormal"&gt;15 cm&lt;/p&gt;&lt;/code&gt;</code></p> <p>D. <code>&lt;p class="MsoNormal"&gt;20 cm&lt;/p&gt;&lt;/code&gt;</code></p>
5	AND operation is represented by:	<p>A. <code>&lt;p class="MsoNormal"&gt;Dot (.)&lt;/p&gt;&lt;/code&gt;</code></p> <p>B. <code>&lt;p class="MsoNormal"&gt;Addition (+)&lt;/p&gt;&lt;/code&gt;</code></p> <p>C. <code>&lt;p class="MsoNormal"&gt;Division (&lt;span style="font-family: Arial, sans-serif; color: rgb(34, 34, 34); background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;"&gt;+&lt;/span&gt;&lt;/p&gt;&lt;/code&gt;</code></p> <p>D. <code>&lt;p class="MsoNormal"&gt;Minus (-)&lt;/p&gt;&lt;/code&gt;</code></p>
6	In mathematical form of Ohm's law, "R" is:	<p>A. Resistance</p> <p>B. Specific resistance</p> <p>C. Resistor</p> <p>D. Resistivity</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	The index of refraction depends on:	<p>A. <code>&lt;p class="MsoNormal"&gt;The focal length&lt;/p&gt;&lt;/code&gt;</code></p> <p>B. <code>&lt;p class="MsoNormal"&gt;The speed of light&lt;/p&gt;&lt;/code&gt;</code></p> <p>C. <code>&lt;p class="MsoNormal"&gt;The image distance&lt;/p&gt;&lt;/code&gt;</code></p> <p>D. <code>&lt;p class="MsoNormal"&gt;The object distance&lt;/p&gt;&lt;/code&gt;</code></p>
9	The unit of resistance is:	<p>A. <math>\Omega</math>-m</p> <p>B. <math>\Omega</math></p> <p>C. V</p> <p>D. C</p>
10	Which gate is used for safety alarm:	<p>A. <code>&lt;p class="MsoNormal"&gt;AND&lt;/p&gt;&lt;/code&gt;</code></p> <p>B. <code>&lt;p class="MsoNormal"&gt;NAND&lt;/p&gt;&lt;/code&gt;</code></p>

		<p>C. <math>UR</math></p> <p>D. <math>NOR</math></p>
11	The mirror whose outer surface is reflecting is called:	<p>A. Concave mirror</p> <p>B. Convex mirror</p> <p>C. Mirror</p> <p>D. Lens</p>
12	The screen of a cathode ray tube consists of a thin layer of:	<p>A. Sodium</p> <p>B. Nitrogen</p> <p>C. Oxygen</p> <p>D. Phosphorus</p>
13	Mathematical formula of electromotive force (e.m.f) is:	<p>A. <math>E = W/Q</math></p> <p>B. <math>E = Q/W</math></p> <p>C. <math>E = WQ</math></p> <p>D. <math>E = W^2Q</math></p>
14	Which type of image is formed by a convex lens on a screen:	<p>A. Inverted and real</p> <p>B. Inverted and virtual</p> <p>C. Upright and real</p> <p>D. Upright and virtual</p>
15	An electric current in conductors is due to the flow of:	<p>A. Positive ions</p> <p>B. Negative ions</p> <p>C. Positive charge</p> <p>D. free electron</p>
16	The S.I unit of electric power is:	<p>A. Volt</p> <p>B. Watt</p> <p>C. Ampere</p> <p>D. Joule</p>
17	Joule's law is $W =$ _____	<p>A. <math>IR/t</math></p> <p>B. <math>IRt^2</math></p> <p>C. <math>IR^2t</math></p> <p>D. <math>I^2Rt</math></p>
18	The A.C. used in our houses has frequency _____ cycle/sec	<p>A. 60</p> <p>B. 30</p> <p>C. 50</p> <p>D. 130</p>
19	The combined resistance of two identical resistors, connected in series is $8\Omega$ . Their combined resistance in a parallel arrangement will be:	<p>A. <math>2\Omega</math></p> <p>B. <math>4\Omega</math></p> <p>C. <math>8\Omega</math></p> <p>D. <math>12\Omega</math></p>
20	Which type of image is produced by the converging lens of human eye if it views a distant object:	<p>A. Real, erect, same size</p> <p>B. Real, inverted, diminished</p> <p>C. Virtual, erect, diminished</p> <p>D. Virtual, inverted, magnified</p>