

Basic Electronics

Sr	Questions	Answers Choice
1	The amount of current that can be painful is:	<p>A. $0.005A$</p> <p>B. $0.001A$</p> <p>C. $1A$</p> <p>D. $2A$</p>
2	The converter of analogue to digital signal is:	<p>A. ADC</p> <p>B. DAC</p> <p>C. ATDC</p> <p>D. None of these</p>
3	Electroscope is used for detecting:	<p>A. Current</p> <p>B. Charge</p> <p>C. Voltage</p> <p>D. Resistance</p>
4	In variable capacitor, dielectric medium is:	<p>A. Paper</p> <p>B. Air</p> <p>C. Mica</p> <p>D. Ceramic</p>
5	The emission of electron from the surface of hot metal is called:	<p>A. Ionization</p> <p>B. Conduction</p> <p>C. Thermionic emission</p> <p>D. Convection</p>
6	The output of a two input NOR gate is 1 when:	<p>A. A is 1 and B is 0</p> <p>B. A is 0 and B is 1</p> <p>C. Both A and B are 0</p> <p>D. Both A and B are 1</p>
7	If one of the resistors in a parallel circuit is removed, the total resistance will be:	<p>A. Doubled</p> <p>B. Decreased</p> <p>C. Increased</p> <p>D. Remain same</p>
8	If a neutral body is brought near to the electroscope its leaves:	<p>A. Diverge</p> <p>B. Contract</p> <p>C. Shut</p> <p>D. Remain in normal position</p>
		<p>A. $1000W$</p> <p>B. $750W$</p>

9	Power of hair dryer is:	<p></o:p></p> C. <p class="MsoNormal">10 W<o:p></o:p></p> D. <p class="MsoNormal">75 W<o:p></o:p></p></p>
10	If we double the distance between two charges, then force becomes:	<p>A. <p class="MsoNormal">4-times<o:p></o:p></p> B. <p class="MsoNormal">¼ th<o:p></o:p></p> C. <p class="MsoNormal">Double<o:p></o:p></p> D. <p class="MsoNormal">Half<o:p></o:p></p></p>
11	Simplest electrical circuits use:	<p>A. <p class="MsoNormal">One wire<o:p></o:p></p> B. <p class="MsoNormal">Two wires<o:p></o:p></p> C. <p class="MsoNormal">Four wires<o:p></o:p></p> D. <p class="MsoNormal">Five wires<o:p></o:p></p></p>
12	The output of OR gate would be '0' When:	<p>A. Both of its inputs are zero B. One of its two inputs is zero C. Both of its inputs ar 1 D. Any one of its inputs is 1</p>
13	Capacitors that are used in resonant circuits that tune radios to particular frequencies, such circuits are called:	<p>A. <p class="MsoNormal">Series circuits<o:p></o:p></p> B. <p class="MsoNormal">Filter circuits<o:p></o:p></p> C. <p class="MsoNormal">Parallel circuits<o:p></o:p></p> D. <p class="MsoNormal">AC circuits<o:p></o:p></p></p>
14	The logical operation performed by this gate is:	<p>A. AND B. NOR C. NAND D. OR</p>
15	Which device is used to show the change in the value of current or electrical potential as a graph?	<p>A. Cathode ray tube B. Electron gun C. Oscilloscope D. Transformer</p>
16	The symbol of AND operation is:	<p>A. + B. - C. . D. *</p>
17	What will be the capacitance of capacitor by joining them in parallel:	<p>A. <p class="MsoNormal">Increased<o:p></o:p></p> B. <p class="MsoNormal">Much less<o:p></o:p></p> C. <p class="MsoNormal">Decrease<o:p></o:p></p> D. <p class="MsoNormal">No change<o:p></o:p></p></p>
18	If $X = A \cdot B$, then X is 1 when:	<p>A. A and B are 1 B. A or B is 0 C. A is 0 and B is 1 D. A is 1 and B is 0</p>
19	If the potential energy of none coulomb charge is one joule then its potential will be:	<p>A. <p class="MsoNormal">5 volt<o:p></o:p></p> B. <p class="MsoNormal">2 volt<o:p></o:p></p> C. <p class="MsoNormal">3 volt<o:p></o:p></p> D. <p class="MsoNormal">1 volt<o:p></o:p></p></p>
20	What does a switch do:	<p>A. <p class="MsoNormal">Oppose the current<o:p></o:p></p> B. <p class="MsoNormal">Open and close the circuit<o:p></o:p></p> C. <p class="MsoNormal">Store energy<o:p></o:p></p> D. <p class="MsoNormal">Provide voltage<o:p></o:p></p></p>