

Basic Electronics

Sr	Questions	Answers Choice
1	The value of K in SI unit is:	<p>A. 9×10^{20}</p> <p>Nm²C²</p> <p>B. 8×10^9 Nm²C²</p> <p>C. 9×10^9 Nm²C²</p> <p>D. 10×10^{-9} Nm²C⁻²</p>
2	Electronics is a branch of:	<p>A. Mass</p> <p>B. Applied Physics</p> <p>C. Mechanics</p> <p>D. Nuclear Physics</p>
3	When a positive charge of 2 coulombs is placed at a point in an electric field, it experiences a force of 6N. The intensity of electric field at this point is:	<p>A. 6 NC⁻¹</p> <p>B. 3 NC⁻¹</p> <p>C. 12 NC⁻¹</p> <p>D. 1.5 NC⁻¹</p>
4	The particles emitted from a hot cathode surface are:	<p>A. Positive ions</p> <p>B. Negative ions</p> <p>C. Proton</p> <p>D. Electron</p>
5	The base of computer operation are:	<p>A. 1,2</p> <p>B. 0, 1</p> <p>C. 0, 2</p> <p>D. 1, 10</p>
6	In variable capacitor, dielectric medium is:	<p>A. Paper</p> <p>B. Air</p> <p>C. Mica</p> <p>D. Ceramic</p>
7	Value of 'k' depends upon:	<p>A. System of unit</p> <p>B. Nature of medium</p> <p>C. Both a and b</p> <p>D. None of these</p>
8	Give the number of factors which affect the ability of a capacitor to store charge.	<p>A. 2</p> <p>B. 3</p> <p>C. 4</p> <p>D. 5</p>
9	SI unit of electric potential is:	<p>A. watt</p> <p>B. volt</p> <p>C. coulomb</p> <p>D. joule</p>
10	1 Nano farad is equal to:	<p>A. 1×10^{-12} F</p> <p>B. 1×10^9 F</p> <p>C. 1×10^{-9} F</p> <p>D. 1×10^{-6} F</p>
11	Analogue quantity is:	<p>A. Time</p> <p>B. Pressure</p> <p>C. Distance</p> <p>D. All of these</p>
12	The converter of digital to analogue signal is:	<p>A. ADC</p> <p>B. DAC</p> <p>C. DATC</p> <p>D. DTC</p>
13	The electrostatic force acting on two charges each of 1C separated by 1m is about:	<p>A. 9×10^9 N</p> <p>B. 9×10^{-9} N</p> <p>C. 9×10^8 N</p> <p>D. 9×10^{-8} N</p>
..	If the potential enerav of none coulomb charae is one	<p>A. 5 volt</p> <p>B. 2 volt</p>

14	joule then its potential will be:	<p>C. 3 volt</p> <p>D. 1 volt</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</p> <p>B. Electron gun</p> <p>C. Oscilloscope</p> <p>D. Transformer</p>
16	If the field is stronger than lines of force are to each other:	<p>A. Far away</p> <p>B. Separated</p> <p>C. Closer</p> <p>D. No effect</p>
17	Capacitors that are used in resonant circuits that tune radios to particular frequencies, such circuits are called:	<p>A. Series circuits</p> <p>B. Filter circuits</p> <p>C. Parallel circuits</p> <p>D. AC circuits</p>
18	Big unit of capacitance is:	<p>A. Farad</p> <p>B. Volt</p> <p>C. Watt</p> <p>D. Coulomb</p>
19	In 1950, physicists observed that in cathode ray tube a special type of rays produced from cathode, these rays were called:	<p>A. Cathode rays</p> <p>B. X-rays</p> <p>C. Alpha rays</p> <p>D. Gamma rays</p>
20	The amount of current that can be felt is:	<p>A. 1 A</p> <p>B. 0.1 A</p> <p>C. 0.001 A</p> <p>D. 2 A</p>