

Basic Electronics

Sr	Questions	Answers Choice
1	Positive charge can be produced by:	<p>A. Combing in hair</p> <p>B. Rubbing glass rod on silk</p> <p>C. By rubbing ebonite rod on wool</p> <p>D. By rubbing glass rod wool</p>
2	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>
3	In electrostatic all charges are in:	<p>A. The same direction</p> <p>B. Opposite direction</p> <p>C. Motion</p> <p>D. Static state</p>
4	Electric field lines were introduced by:	<p>A. Faraday</p> <p>B. Newton</p> <p>C. Coulomb</p> <p>D. Joule</p>
5	The amount of current that can be felt is:	<p>A. 1A</p> <p>B. 0.1A</p> <p>C. 0.001A</p> <p>D. 2A</p>
6	The output of a NAND gate is 0 when	<p>A. Both of its inputs are 0</p> <p>B. Both of its inputs are 1</p> <p>C. any of its inputs is 0</p> <p>D. any of its inputs is 1</p>
7	If $X = A \cdot B$, then X is 1 when:	<p>A. A and B are 1</p> <p>B. A or B is 0</p> <p>C. A is 0 and B is 1</p> <p>D. A is 1 and B is 0</p>
8	Those quantities whose values change gradually or stay constant are called:	<p>A. Physical quantities</p> <p>B. Digital quantities</p> <p>C. Log quantities</p> <p>D. Analog quantities</p>
9	SI unit of capacitance is:	<p>A. Joule</p> <p>B. Volt</p> <p>C. Watt</p> <p>D. Farad</p>
10	The closed switch in Boolean expression is represented by:	<p>A. 0</p> <p>B. 1</p> <p>C. 10</p> <p>D. 2</p>

A. JC

B. JC^{\sup}

11	1 volt is equal to:	<p>1</p> <p>C. 10^{-2}</p> <p>D. 10^{-3}</p>
12	The electrostatic force acting on two charges each of 1C separated by 1m is about:	<p>A. 9×10^9</p> <p>B. 9×10^{-9}</p> <p>C. 9×10^8</p> <p>D. 9×10^{-8}</p>
13	If A input is 1 and B is zero, then in AND operation output will be:	<p>A. 0</p> <p>B. 0.1</p> <p>C. 1</p> <p>D. None of these</p>
14	Simplest electrical circuits use:	<p>A. One wire</p> <p>B. Two wires</p> <p>C. Four wires</p> <p>D. Five wires</p>
15	The output of an AND gate is only 1, when:	<p>A. Both of its inputs are zero</p> <p>B. Anyone of the two inputs is zero</p> <p>C. Both of its inputs are 1</p> <p>D. Anyone of the two inputs is 1</p>
16	electric intensity is a quantity:	<p>A. scalar</p> <p>B. vector</p> <p>C. base</p> <p>D. none of these</p>
17	To protect the gold leaves of electroscope from the external electric disturbances, the aluminum foil is grounded by a thin wire, which is made up of:	<p>A. Aluminum</p> <p>B. Silver</p> <p>C. Copper</p> <p>D. Brass</p>
18	The particles emitted from a hot cathode surface are:	<p>A. Positive ions</p> <p>B. Negative ions</p> <p>C. Protons</p> <p>D. Electrons</p>
19	The open switch Boolean expression is represented by:	<p>A. 0</p> <p>B. 1</p> <p>C. 10</p> <p>D. 2</p>
20	The logical operation performed by this gate is:	<p>A. AND</p> <p>B. NOR</p> <p>C. NAND</p> <p>D. OR</p>