Basic Electronics

Sr	Questions	Answers Choice
1	If we double the distance between two charges, then force becomes:	A. 4-times<o:p></o:p> B. ¼ th<o:p></o:p> C. Double<o:p></o:p> D. Half<o:p></o:p>
2	AND gate can be formed by using two:	A. NOT gates B. OR gates C. NOR gates D. Nand gates
3	The open switch Boolean expression is represented by:	A. 0 B. 1 C. 10 D. 2
4	Electronics is the study of principles by means of which we control the:	A. Flow of electrons. B. Nuclear fission C. Fusion reaction D. Radiations
5	Earth wire is connected to the:	A. Power house<o:p></o:p> B. Transformer<o:p></o:p> C. Ground<o:p></o:p> D. Generator<o:p></o:p>
6	The emission of electron from the surface of hot metal is called:	A. Ionization B. Conduction C. Thermionic emission D. Convection
7	If X = A,B, then X is 1 when:	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
8	The product of charge ‘q’ and potential difference is equal to:	A. Power<o:p></o:p> B. Force<o:p></o:p> C. Capacitance<o:p></o:p> D. Energy<o:p></o:p>
9	If the field is stronger than lines of force are to each other:	A. Far away<o:p></o:p> B. Separated<o:p></o:p> C. Closer<o:p></o:p> D. No effect<o:p></o:p>
10	One coulomb is equal to charge of electrons:	A. 6.25x10⁻¹⁹<o:p></o:p> B. 6.25x10¹⁹<o:p></o:p> C. 6.25x10¹⁸<o:p></o:p> D. 6.25x10⁻¹⁸<o:p></o:p>
11	The output of a two input NOR gate is 1 when:	A. A is 1 and B is 0 B. A is 0 and B IS 1 C. Both A and B are 0 D. Both A and B are 1
12	The base of computer operation are:	A. 1,2 B. 0, 1 C. 0, 2 D. 1, 10
13	The output of a NAND gate is 0 when	A. Both of its inputs are 0 B. Both of its inputs are 1 C. any of its inputs is 0 D. any of its inputs is 1
14	Two switches attached in series work on which operation?	A. AND operation B. OR operation C. NOT operation D. NOR operation
15	If Current flowing through switch then the output is expressed as:	A. 0 B. 1 C. -1 D. 2

		D. 2
16	Which type of capacitor is cylindrical in shape:	A. Paper capacitor<o:p></o:p> B. Mica capacitor<o:p></o:p> C. Variable capacitor<o:p></o:p> D. Plates capacitor<o:p></o:p>
17	The value of K in SI unit is:	A. 9X10²⁰ Nm²C²<o:p></o:p> B. 8X10⁹Nm²C²<o:p></o:p> C. 9X10⁹Nm²C²<o:p></o:p> D. 10X10⁻⁹ Nm²C⁻²<o:p></o:p>
18	Positive charge in an electric field always tend to move:	A. Does not move<o:p></o:p> B. From lower to higher potential<o:p></o:p> C. From higher to lower potential<o:p></o:p> D. All of these<o:p></o:p>
19	What will be the capacitance of capacitor by joining them in parallel:	A. Increased<o:p></o:p> B. Much less<o:p></o:p> C. Decrease<o:p></o:p> D. No change<o:p></o:p>
20	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:	A. 6 NC⁻¹<o:p></o:p> B. 3 NC⁻¹<o:p></o:p> C. 12 NC⁻¹<o:p></o:p> D. 1.5 NC⁻¹<o:p></o:p>