Basic Electronics

Sr	Questions	Answers Choice
1	SI unit of electric intensity is:	A. Watt<o:p></o:p> B. NC⁻¹<o:p></o:p> C. NS⁻¹<o:p></o:p> D. Nm<o:p></o:p>
2	The electrostatic force acting on two charges each of 1C separated by 1m is about:	A. 9X10⁹ N<o:p></o:p> B. 9X10⁻⁹ N<o:p></o:p> C. 9X10⁸ N<o:p></o:p> D. 9X10⁻⁸ N<o:p></o:p>
3	Capacitors that are used in resonant circuits that tune radios to particular frequencies, such circuits are called:	A. Series circuits<o:p></o:p> B. Filter circuits<o:p></o:p> C. Parallel circuits<o:p></o:p> D. AC circuits<o:p></o:p>
4	Boolean expression for AND operation is:	A. $X = \overline{A}$ B. X = A + B C. X = A . B D. $X = \overline{AB}$
5	The process by which electrons are emitted by a hot metal surface is known as:	A. Boiling B. Evaportion C. Conduction D. Thermionic emission
6	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>
7	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
8	The emission of electron from the surface of hot metal is called:	A. Ionization B. Conduction C. Thermionic emission D. Convection
9	In 1950, physicists observed that in cathode ray tube a special type of rays produced from cathode, these rays were called:	A. Cathode rays B. X-rays C. Alpha rays D. Gamma rays
10	Two switches attached in series work on which operation?	A. AND operation B. OR operation C. NOT operation D. NOR operation
11	Analogue quantity is:	A. Time B. Pressure C. Distance D. All of these
		A. Power house<o:p></o:p>

12	Earth wire is connected to the:	B. Transformer<o:p></o:p> C. Ground<o:p></o:p> D. Generator<o:p></o:p>
13	In electrostatic all charges are in:	A. The same direction<o:p></o:p> B. Opposite direction<o:p></o:p> C. Motion<o:p></o:p> D. Static state<o:p></o:p>
14	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>
15	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:	A. Aluminum<o:p></o:p> B. Silver<o:p></o:p> C. Copper<o:p></o:p> D. Brass<o:p></o:p>
16	The amount of current that can be felt is:	A. 1A<o:p></o:p> B. 0.1A<o:p></o:p> C. 0.001 A<o:p></o:p> D. 2A<o:p></o:p>
17	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>
18	Public address system is the example of :	A. Analogue electronics B. Digital electonics C. Binary system D. None of these
19	electric intensity is a quantity:	A. scalar<o:p></o:p> B. vector<o:p></o:p> C. base<o:p></o:p> D. none of these<o:p></o:p>
20	Big unit of capacitance is:	A. Farad<o:p></o:p> B. Volt<o:p></o:p> C. Watt<o:p></o:p> D. Coulomb<o:p></o:p>