Basic Electronics

Sr	Questions	Answers Choice
1	The emission of electron from the surface of hot metal is called:	A. Ionization B. Conduction C. Thermionic emission D. Convection
2	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>
3	1 Pico farad is equal to:	A. 10⁻⁹F<o:p></o:p> B. 10¹²F<o:p></o:p> C. 10⁻¹²F<o:p></o:p> D. 10⁻⁶F<o:p></o:p>
4	If the distance between the charged bodies is much greater as compared to their sizes then the bodies are considered is:	A. Positive charge<o:p></o:p> B. Negative charge<o:p></o:p> C. Point charge<o:p></o:p> D. Zero charge<o:p></o:p>
5	Analogue quantity is:	A. Time B. Pressure C. Distance D. All of these
6	The process by which electrons are emitted by a hot metal surface is known as:	A. Boiling<o:p></o:p> B. Evaporation<o:p></o:p> C. Conduction<o:p></o:p> D. Thermionic emission<o:p></o:p>
7	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>
8	Power of hair dryer is:	A. 1000 W<o:p></o:p> B. 750 W<o:p></o:p> C. 10 W<o:p></o:p> D. 75 W<o:p></o:p>
9	Those quantities whose values do not remain constant are called:	A. physical quantities B. Digital quantites C. Log quantities D. Analog quantities
10	The converter of analogue to digital signal is:	A. ADC B. DAC C. ATDC D. None of these
11	The device which converts digital quantities into analog quantities is called:	A. ADC B. DAC C. ACD D. CAD
12	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>
13	Simplest electrical circuits use:	A. One wire<o:p></o:p> B. Two wires<o:p></o:p> C. Four wires<o:p></o:p> D. Five wires<o:p></o:p>
		A. A = 0, B = 0

14	The two inputs of a NAND gate are A and B. Its output would be zero when:	B. A = 1, B= 0 C. A = 1 , B = 1 D. A = 0 , B = 1
15	If Current flowing through switch then the output is expressed as:	A. 0 B. 1 C. -1 D. 2
16	A and B are the two inputs of a NOR gate. Its output would be 1 when:	A. A = 1, B = 1 B. A = 0 , B = 1 C. A = 1, B = 0 D. A = 0 , B = 0
17	The quantities, whose values remain constant or vary continuously are called.	A. Analogue quantities B. Digital quantities C. Maximum quantities D. Minimum quantities.
18	The amount of current that causes the loss of muscle control is:	A. 0.1A<o:p></o:p> B. 0.015A<o:p></o:p> C. 2A<o:p></o:p> D. 1A<o:p></o:p>
19	Digital technology is used in:	A. Bulb B. Radar C. Electric motor D. All of these
20	1 Nano farad is equal to:	A. 1X10⁻¹²F<o:p></o:p> B. 1X10⁹F<o:p></o:p> C. 1X10⁻⁹F<o:p></o:p> D. 1X10⁻⁶F<o:p></o:p>