Basic Electronics

Sr	Questions	Answers Choice
1	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>
2	Each volt of lightening contains energy:	A. 4x10⁶ joules<o:p></o:p> B. 1000 joules<o:p></o:p> C. 1000 million joules<o:p></o:p> D. 10 joules<o:p></o:p>
3	For the emission of electrons from the tungsten filament the values of current and voltage are taken as:	A. 0.1 A and 2V B. 0.2 A and 4V C. 0.3A and 6V D. 0.4A and 8V
4	Public address system is the example of :	A. Analogue electronics B. Digital electonics C. Binary system D. None of these
5	The open switch Boolean expression is represented by:	A. 0 B. 1 C. 10 D. 2
6	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>
7	The output of OR gate would be '0' When:	A. Both of its inputs are zero B. One of its two inputs is zero C. Both of its inputs ar 1 D. Any one of its inputs is 1
8	The digits used in electronics are:	A. 1 B. 0 C. 0 and 1 D. 1 and 2
9	Which instrument is used to measure current, resistance and potential difference:	A. Galvanometer<o:p></o:p> B. Digital meter<o:p></o:p> C. Voltmeter<o:p></o:p> D. Ammeter<o:p></o:p>
10	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
11	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>

		</o:p>
12	Which device is used to show the change in the value of current or electrical potential as a graph?	A. Cathode ray tube B. Electron gun C. Oscilloscope D. Transformer
13	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>
14	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>
15	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>
16	The quantities, whose values remain constant or vary continuously are called.	A. Analogue quantities B. Digital quantities C. Maximum quantities D. Minimum quantities.
17	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>
18	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>
19	Boolean expression for AND operation is:	A. $X = \overline{A}$ B. $X = A + B$ C. $X = A . B$ D. $X = \overline{AB}$
20	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