

Basic Electronics

Sr	Questions	Answers Choice
1	Boolean expression for AND operation is:	<p>A. $X = \bar{A}$</p> <p>B. $X = A + B$</p> <p>C. $X = A \cdot B$</p> <p>D. $X = \bar{A}\bar{B}$</p>
2	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>
3	The output of a two input NOR gate is 1 when:	<p>A. A is 1 and B is 0</p> <p>B. A is 0 and B is 1</p> <p>C. Both A and B are 0</p> <p>D. Both A and B are 1</p>
4	Capacitors that are used in resonant circuits that tune radios to particular frequencies, such circuits are called:	<p>A. Series circuits</p> <p>B. Filter circuits</p> <p>C. Parallel circuits</p> <p>D. AC circuits</p>
5	If a neutral body is brought near to the electroscope its leaves:	<p>A. Diverge</p> <p>B. Contract</p> <p>C. Shut</p> <p>D. Remain in normal position</p>
6	If the field is stronger than lines of force are to each other:	<p>A. Far away</p> <p>B. Separated</p> <p>C. Closer</p> <p>D. No effect</p>
7	Power of hair dryer is:	<p>A. 1000 W</p> <p>B. 750 W</p> <p>C. 10 W</p> <p>D. 75 W</p>
8	AND gate can be formed by using two:	<p>A. NOT gates</p> <p>B. OR gates</p> <p>C. NOR gates</p> <p>D. Nand gates</p>
9	The amount of current that can be painful is:	<p>A. 0.005A</p> <p>B. 0.001A</p> <p>C. 1A</p> <p>D. 2A</p>
10	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>
		<p>A. Watt</p>

11	SI unit of electric intensity is:	<p></p> B. $\text{NC} \times 10^{-1}$ C. $\text{NS} \times 10^{-1}$ D. Nm </p> </p>
12	Public address system is the example of :	A. Analogue electronics B. Digital electronics C. Binary system D. None of these
13	Which instrument is used to measure current, resistance and potential difference:	A. Galvanometer B. Digital meter C. Voltmeter D. Ammeter
14	Each volt of lightening contains energy:	A. 4×10^6 joules B. 1000 joules C. 1000 million joules D. 10 joules
15	The amount of current that causes the loss of muscle control is:	A. 0.1A B. 0.015A C. 2A D. 1A
16	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
17	One coulomb is equal to charge of electrons:	A. 6.25×10^{19} B. 6.25×10^{19} C. 6.25×10^{18} D. 6.25×10^{18}
18	Analogue quantity is:	A. Time B. Pressure C. Distance D. All of these
19	Digital technology is used in:	A. Bulb B. Radar C. Electric motor D. All of these
20	What will be the capacitance of capacitor by joining them in parallel:	A. Increased B. Much less C. Decrease D. No change