

Basic Electronics

Sr	Questions	Answers Choice
1	Analogue quantity is:	<p>A. Time B. Pressure C. Distance D. All of these</p>
2	Which type of capacitor is cylindrical in shape:	<p>A. Paper capacitor B. Mica capacitor C. Variable capacitor D. Plates capacitor</p>
3	The output of OR gate would be '0' When:	<p>A. Both of its inputs are zero B. One of its two inputs is zero C. Both of its inputs are 1 D. Any one of its inputs is 1</p>
4	SI unit of electric intensity is:	<p>A. Watt B. NC⁻¹ C. NS⁻¹ D. Nm</p>
5	Which instrument is used to measure current, resistance and potential difference:	<p>A. Galvanometer B. Digital meter C. Voltmeter D. Ammeter</p>
6	Each volt of lightning contains energy:	<p>A. 4×10^6 joules B. 1000 joules C. 1000 million joules D. 10 joules</p>
7	Give the number of factors which affect the ability of a capacitor to store charge.	<p>A. 2 B. 3 C. 4 D. 5</p>
8	SI unit of electric potential is:	<p>A. watt B. volt C. coulomb D. joule</p>
9	The logical operation performed by this gate is:	<p>A. AND B. NOR C. NAND D. OR</p>
10	Electronics is a branch of:	<p>A. Mass B. Applied Physics C. Mechanics D. Nuclear Physics</p>

11	The two inputs of a NAND gate are A and B. Its output would be zero when:	A. A = 0, B = 0 B. A = 1, B = 0 C. A = 1, B = 1 D. A = 0, B = 1
12	Positive charge can be produced by:	A. Combing in hair B. Rubbing glass rod on silk C. By rubbing ebonite rod on wool D. By rubbing glass rod wool
13	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
14	The open switch Boolean expression is represented by:	A. 0 B. 1 C. 10 D. 2
15	Two switches attached in series work on which operation?	A. AND operation B. OR operation C. NOT operation D. NOR operation
16	The output of an AND gate is only 1, when:	A. Both of its inputs are zero B. Anyone of the two inputs is zero C. Both of its inputs are 1 D. Anyone of the two inputs is 1
17	Value of 'k' depends upon:	A. System of unit B. Nature of medium C. Both a and b D. None of these
18	In electrostatic all charges are in:	A. The same direction B. Opposite direction C. Motion D. Static state
19	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
20	Simplest electrical circuits use:	A. One wire B. Two wires C. Four wires D. Five wires