

Basic Electronics

Sr	Questions	Answers Choice
1	AND gate can be formed by using two:	A. NOT gates B. OR gates C. NOR gates D. Nand gates
2	Analogue quantity is:	A. Time B. Pressure C. Distance D. All of these
3	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
4	Public address system is the example of :	A. Analogue electronics B. Digital electronics C. Binary system D. None of these
5	The logical operation performed by this gate is:	A. AND B. NOR C. NAND D. OR
6	The process by which electrons are emitted by a hot metal surface is known as:	A. Boiling B. Evaporation C. Conduction D. Thermionic emission
7	The base of computer operation are:	A. 1,2 B. 0, 1 C. 0, 2 D. 1, 10
8	Big unit of capacitance is:	A. Farad B. Volt C. Watt D. Coulomb
9	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
10	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
11	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
12	The particles emitted from a hot cathode surface are:	A. Positive ions B. Negative ions C. Proton D. Electron
13	SI unit of capacitance is:	A. Joule B. Volt C. Watt D. Farad

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14	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}
15	What does a switch do:	A. Oppose the current B. Open and close the circuit C. Store energy D. Provide voltage
16	Electroscope is used for detecting:	A. Current B. Charge C. Voltage D. Resistance
17	The symbol of AND operation is:	A. + B. - C. . D. *
18	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
19	If the distance between the charged bodies is much greater as compared to their sizes then the bodies are considered is:	A. Positive charge B. Negative charge C. Point charge D. Zero charge
20	The unit of electrical energy is:	A. Joule B. Watt C. Volt D. Electron volt (eV)