

Physics ICS Part 2 Chapter 18 Online MCQ's Test

Sr	Questions	Answers Choice
1	A diode characteristic curve is a plot between	A. Current and time B. Voltage and time C. Voltage and current D. Forward voltage and reverse voltage
2	In a certain circuit, $I_B = 40 \mu\text{A}$, $I_C = 20 \text{ mA}$	A. 450 amp B. 0.45 amp C. 5 m amp D. 500 amp
3	The output of two input is zero only when its.	A. Both inputs are zero B. Either input is zero C. Both inputs are one D. Either input is one
4	When transistor are used in digital circuits they usually operate in the :	A. Active region B. Break down region C. Saturation & cutoff regions D. Linear region
5	A PN junction can not be sued a.	A. Rectifier B. Amplifier C. Detector D. LED
6	The input resistance of an op amplifier is.	A. Low B. High C. Zero D. Equal to output resistance
7	The output from a full wave rectifier is	A. An ac voltage B. A dc voltage C. Zero D. A pulsating unidirectional voltage
8	For automatic Switching of streetlight, the op amplifier is used as.	A. Inductor B. Converter C. Comparator D. Thermistor
9	Doping is made comparatively larger in	A. Emitter B. Base C. Collector D. P -type semi conductor
10	For rectification we use.	A. Transformer B. Diode C. Choke D. Generator
11	Light emitting diodes are made from semiconductors.	A. Silicon B. Germanium C. Carbon D. Gallium arsenide
12	In an N-type silicon, which of the following statement is true?	A. Electrons are majority carriers & trivalent atoms are the dopants B. Electrons are majority carriers & pentavalent atoms are the dopants C. Holes are minority carriers & pentavalent atoms are the dopants. D. Holes are minority carriers & trivalent atoms are the dopants.
13	In full wave rectification number of diodes required are equal to.	A. 2 B. 3 C. 4 D. 5
14	$X=A+B$ is the mathematical notation for.	A. OR gate B. NOR gate C. NAND gate

		D. AND gate
15	The P.D develop in case of germanium is:	A. 0.3 B. 0.7 C. 0.5 D. 0.9
16	The use of LDR is in the circuit of.	A. Logic gate B. Rectifier C. Oscillator D. High Switch
17	During negative half cycle of A.c then p-n junction offers.	A. High resistance B. Low resistance C. No resistance D. All of these
18	A light emitting diode emits light only when	A. Reverse biased B. Forward biased C. Unbiased D. None of these
19	Base of transistor is of order:	A. 10^{-11} m B. 10^{-6} m C. 10^{-8} m D. 10^{-6} m
20	Logic gate can control some physical parameters like.	A. Temperature, Pressure B. Resistance, Inductance C. Capacitance, Impedance D. Current, voltage