

Physics ICS Part 2 Chapter 18 Online MCQ's Test

Sr	Questions	Answers Choice
1	The potential difference across the depletion region of germanium is.	A. 0.3 V B. 0.5 V C. 0.7 V D. 0.8 V
2	In case of op-amp as an inverting amplifier, $V_+ - V_- = 0$, this is because	A. Open gain loop is very low B. Closed loop gain is very high C. Open loop gain is very high D. Both (a) and (a)
3	Photo diode detects.	A. Visible light B. Radio waves C. X rays D. All of them
4	Most of the electrons in the base of an NPN transistor flow.	A. Out of the base lead B. Into the collector C. Into the emit D. Into the base supply
5	Which component of the transistor has greater contrition of impurity.	A. Base B. Emitter C. Collector D. Emitter and collector
6	The chargeless region after formation of Pn junction is called:	A. Free region B. Depletion region C. Field region D. U.V region
7	A.C. can be converted into D.C. by	A. An oscillator B. Detector C. An amplifier D. Rectifier
8	A two inputs NAND gat with inputs a and b has an output '0' if.	A. B is zero B. A is zero C. Both A and B are 1 D. Both A and B are '0'
9	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
10	Minimum number of semi conductor diodes required for full wave rectification are.	A. 1 B. 2 C. 3 D. 4
11	A transistor has:	A. Two regions B. Three regions C. Single regions D. Four regions
12	The colour of light emitted by a LED depends on.	A. It forward biased B. Its reverse biased C. Unbiased D. None of these
13	$X=A+B$ is the mathematical notation for.	A. OR gate B. NOR gate C. NAND gate D. AND gate
14	Doping is made comparatively larger in	A. Emitter B. Base C. Collector D. P -type semi conductor
15	Improper bistable of a transistor circuit produces:	A. Heavy loading of emitter current B. Distortion in the output output signal

		C. Excessive heat at collector terminal D. Faculty location of load line
16	The p-n junction in which p side is connected to +ve and n-side is -ve the junction is said to be:	A. Neutral B. Forward biased C. Reversed biased D. None of above
17	In full wave rectification number of diodes required are equal to.	A. 2 B. 3 C. 4 D. 5
18	A PN junction can not be used as:	A. Rectifier B. Amplifier C. Detector D. LED
19	The resistance between the inverting (-) and non inverting inputs is called Input resistance and is the order of.	A. Ohms B. Kilo Ohms C. Mega Ohms D. Thousands Ohms
20	The output voltage of a rectifier is.	A. Smooth B. Pulsating C. Alternating D. Per feasibility direct