

Physics FSC Part 2 Chapter 18 Online MCQ's Test

Sr	Questions	Answers Choice
1	Photo diode is used for detection of.	A. Heat B. Magnet C. Current D. Light
2	The sensor of light is.	A. Transistor B. LED C. Diode D. Light dependent resistance
3	_____ is the building block of every electronic circuit.	A. Semi conductor diode B. Resistor C. Capacitor D. Amplifier
4	A light emitting diode emits light only when	A. Reverse biased B. Forward biased C. Unbiased D. None of these
5	The use of LDR is in the circuit of.	A. Logic gate B. Rectifier C. Oscillator D. High Switch
6	For normal transistor the emitter current can be given by	A. $I_E = I_C$ B. $I_E = I_C + I_B$ C. $I_E = I_B$ D. None of these
7	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
8	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.
9	The chargeless region after formation of Pn junction is called:	A. Free region B. Depletion region C. Field region D. U.V region
10	When a PN-Junction is reverse biased the depletion region is.	A. Widened B. Narrowed C. Normal D. None of these
11	Which factor does not affect the conductivity of PN-Junction diode.	A. Doping B. Temperature C. Voltage D. Pressure
12	For automatic Switching of streetlight, the op amplifier is used as.	A. Inductor B. Converter C. Comparator D. Thermistor
13	A transistor has parts:	A. 2 B. 3 C. 4 D. 5
14	A diode characteristic curve is a plot between	A. Current and time B. Voltage and time C. Voltage and current D. Current and voltage

		D. Forward voltage and reverse voltage
15	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'
16	The average gap for Germanium at 0K is	A. 1.12 ev B. 0.02 ev C. 6.72 ev D. 7.2 ev
17	The P.D develop in case of silicon is:	A. 0.7V B. 0.3V C. 0.5V D. 0.9V
18	Photodiode is used for:	A. Detection of current B. Detection of heat C. Detection of light D. Both a & b
19	The symbol of p-n-p transistor is	
20	Improper bisting of a transistor circiut 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