Physics ICS Part 2 Chapter 18 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which factor does not affect the conductivity of PN-Junction diode.	A. Doping B. Temperature C. Voltage D. Pressure
2	When a PN-Junction is reverse biased the depletion region is.	A. Widened B. Narrowed C. Normal D. None of these
3	Reverse current flows due to	A. Majority charge carriers B. Minority charge carriers C. Electrons D. Holes
4	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
5	The potential barrier for silicon is.	A. 0.7 V B. 0.5 V C. 0.3 V D. 0.9 V
6	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
7	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
8	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
9	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
10	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
11	The reverse saturation current in a PN junction diode is only due to:	A. Majority carriers B. Minoritycarriers C. Acceptor ions D. Donor ions
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 & trivavalent atoms are the dopants.
13	Which device is used as a rectifier?	A. Capacitor B. Transistor C. Diode D. Transformer
14	A transistor has parts:	A. 2 B. 3

		C. 4 D. 5
15	Conversion of A.C into D.C is called:	A. Compton effect B. Rectification C. Amplification D. Pair production
16	OR gate is represented by:	A. X = A+B B. X=A.B C. X=A+B D. X=A.B
17	NAND gate represented by:	A. X = A. B B. X = A+B C. X= A.B D. X=|A+B|