

Physics ICS Part 2 Chapter 18 Online MCQ's Test

Sr	Questions	Answers Choice
1	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
2	Conversion of A.C into D.C is called:	A. Compton effect B. Rectification C. Amplification D. Pair production
3	The P.D develop in case of silicon is:	A. 0.7V B. 0.3V C. 0.5V D. 0.9V
4	A light emitting diode emits light only when	A. Reverse biased B. Forward biased C. Unbiased D. None of these
5	The potential difference across depletion region in case of Si is	A. 0.6 volt B. 0.9 volt C. 0.7 volt D. 0.2 volt
6	In case of reverse biasing, current is flown due to:	A. Minority charge carriers B. Majority charge carriers C. Electrons D. Protons
7	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
8	Light emitting diodes are made from semiconductors.	A. Silicon B. Germanium C. Carbon D. Gallium arsenide
9	The ratio of potential barriers of Ge to Si at room temperature is.	A. 7:3 B. 1:3 C. 2:5 D. 3:7
10	The P.D develop in case of germanium is:	A. 0.3 B. 0.7 C. 0.5 D. 0.9
11	Doping is made comparatively larger in	A. Emitter B. Base C. Collector D. P-type semi conductor
12	For automatic Switching of streetlight, the op amplifier is used as.	A. Inductor B. Converter C. Comparator D. Thermistor
13	Which device is used as a rectifier?	A. Capacitor B. Transistor C. Diode D. Transformer
14	A photo diode can turn its current ON and OFF in	A. Micro seconds B. Mega seconds C. Nano seconds D. Mili seconds
15	When a PN-Junction is reverse biased the depletion region is.	A. Widened B. Narrowed C. Normal D. None of these

16	Automatic function of street light can be done by the use of.	A. Inductor B. Rectifier C. Comparator D. emf
17	Minimum number of semi conductor diodes required for full wave rectification are.	A. 1 B. 2 C. 3 D. 4
18	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'
19	Transistors are made from	A. Plastics B. Metals C. Insulator D. Doped semi conductors
20	In photovoltaic cell, current is directly proportional to.	A. Wavelength of light B. Intensity of light C. Energy D. Frequency of light
