

Physics FSC Part 2 Chapter 18 Online MCQ's Test

Sr	Questions	Answers Choice
1	In photovoltaic cell, current is directly proportional to.	A. Wavelength of light B. Intensity of light C. Energy D. Frequency of light
2	When a PN-Junction is reverse biased the depletion region is.	A. Widened B. Narrowed C. Normal D. None of these
3	Base of transistor is of order:	A. $10^{⁻¹¹m}$ B. $10^{⁻⁶m}$ C. $10^{⁻⁸m}$ D. $10^{⁻⁶m}$
4	Doping is made comparatively larger in	A. Emitter B. Base C. Collector D. P -type semi conductor
5	An expression for gain of an inverting amplifier is	C. $(R_{₁}R_{₂})$ D. None of these
6	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
7	A.C. can be converted into D.C. by	A. An oscillator B. Detector C. An amplifier D. Rectifier
8	Conversion of A.C into D.C is called:	A. Compton effect B. Rectification C. Amplification D. Pair production
9	A diode characteristics curve is a plot between	A. Current and resistance B. Voltage and time C. Voltage and current D. Current and time
10	the number of terminals in a semiconductor diode are	A. 2 B. 3 C. 4 D. 5
11	In a certain circuit, $I_B = 40 \mu A$, $I_C = 20 mA$	A. 450 amp B. 0.45 amp C. 5 m amp D. 500 amp
12	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
13	The ratio of potential barriers of Ge to Si at room temperattrue is.	A. 7:3 B. 1:3 C. 2:5 D. 3:7
14	The chargeless region after formation of Pn junction is called:	A. Free region B. Depletion region C. Field region D. U.V region
15	Automatic function of street light can be done by the use of.	A. Inductor B. Rectifier C. Comparator D. emf A. Heavy loading of emitter current

16 Improper biasing of a transistor circuit produces:
B. Distortion in the output signal
C. Excessive heat at collector terminal
D. Faculty location of load line

17 A device which converts low voltage or current to high voltage or current is called.
A. Transformer
B. AC generator
C. Amplifier
D. Rectifier

18 When transistors are used in digital circuits they usually operate in the :
A. Active region
B. Break down region
C. Saturation & cutoff regions
D. Linear region

19 OR gate is represented by:
A. $X = A+B$
B. $X=A \cdot B$
C. $X=A+B$
D. $X=A \cdot B$

20 A transistor has parts:
A. 2
B. 3
C. 4
D. 5