

## Physics FSC Part 2 Chapter 18 Online MCQ's Test

Sr	Questions	Answers Choice
1	For normal transistor the emitter current can be given by	A. $I_E = I_C + I_B$ B. $I_E = I_C + I_B$ C. $I_E = I_B$ D. None of these
2	The open loop gain of the amplifier is order of.	A. $10^6$ B. $10^5$ C. $10^7$ D. $10^3$
3	Improper biasing of a transistor circuit produces:	A. Heavy loading of emitter current B. Distortion in the output signal C. Excessive heat at collector terminal D. Faulty location of load line
4	The average gap for Germanium at 0K is	A. 1.12 eV B. 0.02 eV C. 6.72 eV D. 7.2 eV
5	Conversion of only one half of A.C. into D.C. is called.	A. Half wave amplification B. Wave amplification C. Half wave electrification D. Half wave rectification
6	In case of reverse biasing, current is flown due to:	A. Minority charge carriers B. Majority charge carriers C. Electrons D. Protons
7	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
8	A transistor has:	A. Two regions B. Three regions C. Single regions D. Four regions
9	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
10	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.
11	The term inverter is used for.	A. NOR gate B. XNOR gate C. NAND gate D. NOT gate
12	The chargeless region after formation of Pn junction is called:	A. Free region B. Depletion region C. Field region D. U.V region
13	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

14	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
15	Pulsating output of full wave rectifier can be made smooth by using circuit called.	A. Filter B. Amplifier C. Resistor D. Transistor
16	Reverse current flows due to	A. Majority charge carriers B. Minority charge carriers C. Electrons D. Holes
17	The central region of a transistor is called.	A. Emitter B. Collector C. Base D. Neutral
18	The P.D develop in case of silicon is:	A. 0.7V B. 0.3V C. 0.5V D. 0.9V
19	Which component of the transistor has greater contrition of impurity.	A. Base B. Emitter C. Collector D. Emitter and collector
20	Transistor was discovered by	A. Young B. Curie C. John Bardeen D. Shale's