

Physics FSC Part 2 Chapter 18 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	The colour of light emitted by a LED depends on.	A. It forward biased B. Its reverse biased C. Unbiased D. None of these
3	A light emitting diode emits light only when	A. Reverse biased B. Forward biased C. Unbiased D. None of these
4	The device which are required to convert various physical quantities into electric voltage are called.	A. Filters B. Rectifiers C. Amplifiers D. Sensors
5	LDR becomes necessary when op amp is used as a	A. Night switch B. Inverter C. Comparator D. Rectifier
6	One use of a single p-n junction semiconductor in an electrical circuit is a	A. Rectifier B. Transistor C. Battery D. Diode
7	The potential barrier for silicon is.	A. 0.7 V B. 0.5 V C. 0.3 V D. 0.9 V
8	Truth table of logic function.	A. Summarize its output values only B. Tabulates all its input conditions only C. Display all its input and output possibility D. Is not base on logic algebra
9	The ratio Beta in transistor is called.	A. Voltage gain B. Emitter gain C. Current gain D. Nuclear gain
10	Transistor was invented by:	A. Bardeen B. Micheal faraday C. Lenz D. Newton
11	Photo diode detects.	A. Visible light B. Radio waves C. X rays D. All of them
12	For automatic Switching of streetlight, the op amplifier is used as.	A. Inductor B. Converter C. Comparator D. Thermistor
13	Photo diode is used for detection of.	A. Heat B. Magnet C. Current D. Light
14	A device which converts low voltage or current to high voltage or current is called.	A. Transformer B. AC generator C. Amplifier D. Rectifier
15	In case of reverse biasing, current is flown due to:	A. Minority charge carriers B. Majority charge carriers C. Electrons D. Holes

		D. Protons
16	Automatic function of street light can be done by the use of.	A. Inductor B. Rectifier C. Comparator D. emf
17	The symbol of p-n-p transistor is	
18	Base of transistor is of order:	A. 10^{-11} m B. 10^{-6} m C. 10^{-8} m D. 10^{-6} m
19	When a PN-Junction is reverse biased the depletion region is.	A. Widened B. Narrowed C. Normal D. None of these
20	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