

Physics FSC Part 2 Chapter 18 Online MCQ's Test

Sr	Questions	Answers Choice
1	In an N-type silicon, which of the following statement is true?	<p>A. Electrons are majority carriers & trivalent atoms are the dopants</p> <p>B. Electrons are majority carriers & pentavalent atoms are the dopants</p> <p>C. Holes are minority carriers & pentavalent atoms are the dopants.</p> <p>D. Holes are minority carriers & trivalent atoms are the dopants.</p>
2	Transistor was invented by:	<p>A. Bardeen</p> <p>B. Micheal faraday</p> <p>C. Lenz</p> <p>D. Newton</p>
3	$X=A+B$ is the mathematical notation for.	<p>A. OR gate</p> <p>B. NOR gate</p> <p>C. NAND gate</p> <p>D. AND gate</p>
4	When a PN-Junction is reverse biased the depletion region is.	<p>A. Widened</p> <p>B. Narrowed</p> <p>C. Normal</p> <p>D. None of these</p>
5	The impurity in the germinium is usually in the ratio of	<p>A. 1:10⁶</p> <p>B. 1:10⁴</p> <p>C. 1:10⁸</p> <p>D. 1:10¹⁰</p>
6	The ratio Beta in transistor is called.	<p>A. Voltage gain</p> <p>B. Emitter gain</p> <p>C. Current gain</p> <p>D. Nuclear gain</p>
7	Conversation of only one half of A.C. into D.C. is called.	<p>A. Half wave amplification</p> <p>B. Wave amplification</p> <p>C. Half wave electrification</p> <p>D. Half wave rectification</p>
8	Which device is used as a rectifier?	<p>A. Capacitor</p> <p>B. Transistor</p> <p>C. Diode</p> <p>D. Transformer</p>
9	Transistor was discovered by	<p>A. Young</p> <p>B. Curie</p> <p>C. John Bardeen</p> <p>D. Shale's</p>
10	The colour of light emitted by a LED depends on.	<p>A. It forward biased</p> <p>B. Its reverse biased</p> <p>C. Unbiased</p> <p>D. None of these</p>
11	The semi conductor diode has the property of	<p>A. Two way conduction</p> <p>B. Zero conduction</p> <p>C. One way conduction</p> <p>D. Amplification</p>
12	The term invertor is used for.	<p>A. NOR gate</p> <p>B. XNOR gate</p> <p>C. NAND gate</p> <p>D. NOT gate</p>
13	The output of two input is zero only when its.	<p>A. Both inputs are zero</p> <p>B. Either input is zero</p> <p>C. Both inputs are one</p> <p>D. Either input is one</p>
14	Photodiode is used for:	<p>A. Detection of current</p> <p>B. Detection of heat</p> <p>C. Detection of light</p> <p>D. Detection of voltage</p>

		D. Both a & b
15	Which one has greater cone of impurity among all:	A. Emitter B. Base C. Collector D. All are pure
16	The input resistance of an op amplifier is.	A. Low B. High C. Zero D. Equal to output resistance
17	A light emitting diode emits light only when	A. Reverse biased B. Forward biased C. Unbiased D. None of these
18	The open loop gain of the amplifier is order of.	A. $10^{>6}$ B. $10^{>5}$ C. $10^{>7}$ D. $10^{>3}$
19	In case of reverse biasing, current is flown due to:	A. Minority charge carriers B. Majority charge carriers C. Electrons D. Protons
20	LDR becomes necessary when op amp is used as a	A. Night switch B. Inverter C. Comparator D. Rectifier