

## ECAT Physics Chapter 18 Electronics Online Test

Sr	Questions	Answers Choice
1	In an N-type silicon, which of the following statement is true	A. Electrons are majority carriers and trivalent atoms are the dopants <b>B. Electrons are minority carriers and pentavalent atoms are the dopants</b> C. Holes are minority carriers and pentavalent atoms are the dopants D. Holes are majority carriers and trivalent atoms are the dopants
2	The values 1 and 0 are designated as:	A. Continuous values B. Binary values C. Boolean values D. Decimal values <b>E. Either (B) and (C)</b>
3	The value of LDR depends upon intensity of:	A. Sound falling on it B. Current passing through it C. Magnetic field surrounding it <b>D. Light falling on it</b> E. Non of these
4	In describing function of digital systems, 1 represents:	<b>A. Closed switch</b> B. True Statement C. Lighted bulb D. Only (B) and (C) E. All are true
5	Inverter is the name given to:	<b>A. NOT gate</b> B. OR gate C. NOR gate D. AND gate E. XOR gate
6	An LED emits light when it is:	<b>A. Forward biased</b> B. Reverse biased C. Operated without battery D. Operated with heat source E. None of these
7	.Depletion region contains:	A. Protons B. Positive ions C. Negative ions <b>D. Both (B) and (C)</b> E. Both (A) and (C)
8	A potential barrier of 0.7V exists across p-n junction made from:	A. Germanium <b>B. Silicon</b> C. Arsenic D. Gallium E. Indium
9	Depletion region contains:	A. Protons B. Positive ions C. Negative ions <b>D. Both (B) and (C)</b> E. Both (A) and (C)
10	Computer chips are made from:	A. Iron <b>B. Silicon</b> C. Helium D. Stontium E. Aluminium
11	Whenever a covalent bond breaks, it creates:	A. An electron B. A hole <b>C. An electron-hole pair</b> D. A positron E. All of these