

ECAT Physics Chapter 18 Electronics

Sr	Questions	Answers Choice
1	A diode which can turn its current ON and OFF in nano seconds is called:	<p>A. LED B. Photodiode C. An ordinary diode. D. Both (A) and (B) E. Both (B) and (C)</p>
2	Michael Faraday is known by his work on	<p>A. Nuclear strong force B. Gravitational force C. Nuclear weak force D. Electric force E. None of these</p>
3	Truth table of logic function:	<p>A. Summarizes its output values B. Tabulates all its input conditions only C. Display all its input/output possibilities D. Is not based on logic algebra E. None of these</p>
4	Whenever a covalent bond breaks, it creates:	<p>A. An electron B. A hole C. An electron-hole pair D. A positron E. All of these</p>
5	To designate the voltage as low or 0 by a logic gate, the specified minimum value is:	<p>A. 0.2 volt B. 0.8 volt C. 0 volt D. 2.0 volt E. 5.0 volt</p>
6	In full wave rectification, simultaneous action is that:	<p>A. Two diodes conduct and two do not. B. One diode conduct and three do not. C. Three diodes conduct and one does not. D. All the four diodes conduct E. None of these</p>
7	An LED emits light when it is:	<p>A. Forward biased B. Reverse biased C. Operated without battery D. Operated with heat source E. None of these</p>
8	To display a digit of EIGHT, the number of ON LED'S are:	<p>A. Two B. Three C. Five D. Seven E. Eight</p>
9	Inverter is the name given to:	<p>A. NOT gate B. OR gate C. NOR gate D. AND gate E. XOR gate</p>
10	Conversion of A.C. into D.C. is called:	<p>A. Rectification B. Amplification C. Electric induction D. Magnetic induction E. None of these</p>
11	The value of LDR depends upon intensity of:	<p>A. Sound falling on it B. Current passing through it C. Magnetic field surrounding it D. Light falling on it E. Non of these</p>
12	When transistors are used in digital circuits they usually operate in the	<p>A. Active region B. Breakdown region C. Saturation and cutoff regions D. Linear region</p>

13	Electric field strength is defined as	A. Work done on unit charge B. Force exerted on unit charge C. Distance covered by unit charge D. Power exerted by unit charge E. None of these
14	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
15	The concept of electric field theory was introduced by	A. Michael Faraday B. Newton C. Dalton D. Kepler E. Einstein
16	Crystal of germanium or silicon in its pure form at absolute zero acts as:	A. A conductor B. A semiconductor C. an insulator D. Both (A) and (C) E. Both (A) and (B)
17	In a transistor, collector current is controlled by	A. Collector voltage B. Base current C. Collector resistance D. All of the above
18	The electric field lines start from	A. Positive charge B. Negative charge C. Either A or B D. Neutron E. An atom
19	To turn the transistor OFF, the base current is set:	A. At maximum value B. At zero C. Either (A) or (B) D. All are correct E. None of correct
20	Computer chips are made from:	A. Iron B. Silicon C. Helium D. Stontium E. Aluminium