

## ECAT Physics Chapter 18 Electronics Online Test

Sr	Questions	Answers Choice
1	Conversion of A.C. into D.C. is called:	A. Rectification B. Amplification C. Electric induction D. Magnetic induction E. None of these
2	If both the inputs given to a gate are 1 such that the output is 0, then it is:	A. AND gate B. NOR gate C. OR gate D. NOT gate E. Both (A) and (C)
3	Truth table of logic function:	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
4	To designate the voltage as low or 0 by a logic gate, the specified minimum value is:	A. 0.2 volt B. 0.8 volt C. 0 volt D. 2.0 volt E. 5.0 volt
5	Op-amp has been discussed as comparator of:	A. Distances B. Voltages C. Velocities D. Magnetic fields E. Both (A) and (C)
6	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
7	In AND gate, the output is 1 if:	A. Both inputs are 0 B. Both inputs are 1 C. Only one input is 0 D. Both (A) and (B) E. Both (A) and (C)
8	A digital system deals with quantities which has discrete values:	A. Two in number B. One in number C. Three in number D. Four in number E. None of these
9	The number of input terminals of an op-amp is:	A. One B. Two C. Three D. Four E. None of these
10	An electronic computer is basically a vast arrangement of electronic switches which are made from	A. Resistors B. Transistors C. N-type crystals D. P-Type crystals E. Capacitors
11	To display a digit of EIGHT, the number of ON LED'S are:	A. Two B. Three C. Five D. Seven E. Eight
12	To make an LED, it is impracticable to use:	A. Silicon B. Gallium arsenide C. Gallium arsenide phosphide D. Iron E. Both (B) and (C)
		A. Common emitter circuit B. Common collector circuit C. Common base circuit D. All of these E. None of these

13	In the text book, the transistor amplifier circuit is a:	B. Common collector circuit C. Common base circuit D. Any of these E. None of these
14	A transistor has:	A. One region B. Two regions C. Three regions D. Four regions E. None is correct
15	The number of LED'S needed to display all the digits is:	A. Four B. Five C. Nine D. Six E. Seven