

ECAT Computer Science Chapter 5 Boolean Algebra Online Test

Sr	Questions	Answers Choice
1	Pick up wrong logical expression	
2	According to Boolean algebra $x + 1 =$ _____	A. 0 B. 1 C. x
3	Question Image	A. 0 B. 1 C. x
4	Question Image	A. 0 B. 1 C. x
5	According to Idempotent law , $x + y =$ _____	A. 1 B. 0 C. x D. $x \cdot x$
6	In a three input NAND gate, if all the inputs are 1, the output is.	A. 0 B. 1 C. 3 D. indeterminate
7	The number of inputs to full adder are	A. 1 B. 2 C. 3 D. 4
8	The half adder circuit has	A. one input B. two inputs C. three inputs D. always more than two inputs
9	The heart of analog to digital converter (ADC) is	A. comparator B. pulse generator C. voltage source D. current source
10	The circuit that is used for parallel to serial conversion is	A. decoder B. encoder C. multiplexer D. demultiplexer
11	The 'Boolean Algebra' is based on the premise that	A. there are two states B. differential equations can be solved by analog circuits. C. either a statement is true or false D. arithmetic operations can be carried out
12	In Boolean algebra $A \cdot 0$ is	A. 0 B. 1 C. $A + 0$ D. $A + 1$
13	In Boolean algebra $A \cdot A \cdot A \cdot A$	A. 5A B. A C. $A^{>5}$ D. 1
14	According to Boolean algebra $A + A + \dots + A$ is	A. A B. n A C. 0 D. 1
15	According to absorption law $x \cdot (x + y) =$	A. x B. y C. $1 + x$ D. $1 + y$