

## Digital Systems and Logic Design

Sr	Questions	Answers Choice
1	What is the decimal equivalent of the binary number 1101?	A. 13 B. 11 C. 12 D. 14
2	Digital system depends on?	A. 10 B. 00 C. 11 D. None of these
3	Comparison of two or more values are performed in?	A. CU B. UDP C. LU D. None of these
4	Bit stand for .....?	A. Binary integer B. Binary Value C. Binary Number D. Binary digit
5	Which signals are in continuous form?	A. Digital B. Analog C. Both a and b D. None of these
6	What does DAC represent?	A. Analog Digital Conversion B. Analog Digital Conversation C. Digital analog conversion D. All of these
7	CU stand for.....	A. Circuitry Unit B. Central Unit C. Control Unit D. None of these
8	In K-map, K stand for.....?	A. Knowledge B. Karnaugh C. Both a and b D. None of these
9	In digital system 0 represents?	A. OFF B. OFF C. ON D. All of these
10	Basic Arithmetic Operation like addition subtraction are performed by?	A. ALU B. CU C. UDP D. All of these
11	OR operation yields 1 output when at least of.....of the input is true.	A. 0 B. 00 C. 1 D. 10
12	In a half-adder circuit, the carry is generated by which operation?	A. XOR operation B. AND Operation C. OR Operation D. NOT Operation
13	What is the dual of Boolean expression $A \cdot 0 = 0$ ?	A. $A + 1 = 1$ B. $A + 0 = A$ C. $A \cdot 1 = A$ D. $A \cdot 0 = 0$
14	Which signals are in discrete form?	A. Analog B. Digital C. Both a and b D. None of these
15	What does ADC represent?	A. Analog Digital Conversation B. Analog Digital Conversion C. Analog Digital Convenient D. All of these

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16	Which logic gate outputs true only if both inputs are true?	A. OR gate B. AND gate C. XOR gate D. NOT gat
17	ALU Stands for.....	A. Arithmetic and Local Unit B. Arithmetic and Legal Unit C. Arithmetic and Logic Unit D. None of these
18	Which of the following Boolean expressions represents the OR operation	A. A.B B. A+B C. A D. A-B
19	Whcih one of the example of Digital Signal?	A. Binary B. Sound Wave C. 11 D. 00
20	Which one is the example of Analog signal?	A. Binary B. Sound Wave C. 10 D. None of these

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