

## Digital Systems and Logic Design

Sr	Questions	Answers Choice
1	the output of AND Operation is 1 only when both inputs are?	A. 10 B. 0 C. 1 D. 00
2	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. $A \cdot 0 = 0$
3	Basic Arithmetic Operation like addition subtraction are performed by?	A. ALU B. CU C. UDP D. All of these
4	Which signals are in discrete form?	A. Analog B. Digital C. Both a and b D. None of these
5	Comparison of two or more values are performed in?	A. CU B. UDP C. LU D. None of these
6	Which one of the examples of Digital Signal?	A. Binary B. Sound Wave C. 11 D. 00
7	In K-map, K stand for.....?	A. Knowledge B. Karnaugh C. Both a and b D. None of these
8	Which of the following Boolean expressions represents the OR operation	A. $A \cdot B$ B. $A + B$ C. $A$ D. $A - B$
9	Which logic gate outputs true only if both inputs are true?	A. OR gate B. AND gate C. XOR gate D. NOT gate
10	What does DAC represents?	A. Analog Digital Convenient B. Analog Digital Conversation C. Digital analog conversion D. All of these
11	Which signals are in continuous form?	A. Digital B. Analog C. Both a and b D. None of these
12	Bit stand for .....	A. Binary integer B. Binary Value C. Binary Number D. Binary digit
13	What does ADC represents?	A. Analog Digital Conversation B. Analog Digital Conversion C. Analog Digital Convenient D. All of these
14	Digital system depends on?	A. 10 B. 00 C. 11 D. None of these
15	In a half-adder circuit, the carry is generated by which operation?	A. XOR operation B. AND Operation C. OR Operation D. NOT Operation

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16 Which one is the example of Analog signal?  
A. Binary  
B. Sound Wave  
C. 10  
D. None of these

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17 What is the decimal equivalent of the binary number 1101?  
A. 13  
B. 11  
C. 12  
D. 14

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18 In digit system 0 represents?  
A. OF  
B. OFF  
C. ON  
D. All of these

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19 OR operation yields 1 output when at least one of.....of the input is true.  
A. 0  
B. 00  
C. 1  
D. 10

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20 CU stand for.....  
A. Circuitry Unit  
B. Central Unit  
C. Control Unit  
D. None of these

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