

## Digital Systems and Logic Design

Sr	Questions	Answers Choice
1	Which logic gate outputs true only if both inputs are true?	A. OR gate B. AND gate C. XOR gate D. NOT gat
2	Basic Arthemetic Operation like addition subtractio are performed by?	A. ALU B. CU C. UDP D. All of these
3	In K-map , K stand for?	A. Knowldege B. Karnaugh C. Both a and b D. None of these
4	CU stand for	A. Circuitry Unit B. Central Unit C. Control Unit D. None of these
5	the output of AND Operation is 1 only whenboth inputs are?	A. 10 B. 0 C. 1 D. 00
6	What is the decmimal equivalent of the binary number 1101?	A. 13 B. 11 C. 12 D. 14
7	Comparison of two or more values are performed in?	A. CU B. UDP C. LU D. None of these
8	Digital system depends on?	A. 10 B. 00 C. 11 D. None of these
9	Whcih one of the example of Digital Signal?	A. Binary B. Sound Wave C. 11 D. 00
10	In a half-adder circuit, the carry is generated by which operation?	A. XOR operation B. AND Operation C. OR Operation D. NOT Operation
11	Bit stand for?	A. Binary integer B. Binary Value C. Binary Number D. Binary digit
12	Whihc signals are in discree form?	A. Analog B. Digital C. Both a and b D. None of these
13	OR operation yields 1 output when at least ofof the input is true.	A. 0 B. 00 C. 1 D. 10
14	Which one is the example of Analog signal?	A. Binary  B. Sound Wave C. 10 D. None of these
15	In digit system 0 epresents?	A. OF B. OFF C. ON D. All of these

16	What does DAC represents?	<ul><li>A. Analog Digital Convenient</li><li>B. Analog Digital Conversation</li><li>C. Digitla analog conversion</li><li>D. All of these</li></ul>
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	What is the dual of Booean expression A.0=0?	A. A+1=1 B. A + 0 = A C. A. 1 = A D. A.O = 0
20	What does ADC represents?	A. Analog Digital Conversation B. Analog Digital Conversion C. Analog Digital Convenient D. All of these