



01_Q_DLD_18Dec2020

ebpaul@iiits.in <ebpaul@iiits.in>
Reply-To: ebpaul@iiits.in
To: dld3@iiits.in

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[01_Q_DLD_18Dec2020](#)

1. Dead line: 5.00 pm. 19th December 2020. 2. Please enter roll no. in the given format. Else attendance will not be considered.

MSB stands for

LSB stands for

The 1's complement of the binary number 1010 is

The 2's complement of the binary number 1111

The hexadecimal number system has 16 characters, six of which are alphabetic characters. They are

The decimal number 1122 is expressed in the 2's complement form as

**The decimal number 234 is expressed in the 2's complement form as
In the 2's complement form, the binary number 10010011 is equal to the decimal number**

What is the weight of 7 in each of the following decimal numbers 1947, 1799 and 1979

Express each of the following decimal numbers as a power of ten 1000, 100000, 1000000000
(Ex:

100=10²)

Give the value of each digit in the following decimal numbers 263, 5463

add the binary numbers (a) 10 + 10 (b) 10 + 11 (c) 100 + 11 (d) 111 + 101 (e) 1111 + 111 (f) 1111 + 1111

Determine the 1's complement of each binary number: (a) 100 (b) 111 (c) 1100 (d) 10111011 (e) 1001010 (f) 10101010

Determine the 2's complement of each binary number using either method: (a) 11 (b) 110 (c) 1010 (d) 1001

Express each decimal number in binary as an 8-bit sign-magnitude number: (a) +29 (b) 285 (c) +100 (d) 2123

Express each decimal number as an 8-bit number in the 1's complement form: (a) 234 (b) +57 (c) 299 (d) +115

Express each decimal number as an 8-bit number in the 2's complement form: (a) +12 (b) 268 (c) +101 (d) 2125

Convert each decimal number to binary by using the sum-of-weights method: (a) 12 (b) 15 (c) 25 (d) 50

Convert each decimal fraction to binary using the sum-of-weights method: (a) 0.26 (b) 0.762 (c) 0.0975

What is the drawback with half adder

can we implement subtraction operation using addition circuit

What function can be implemented using XOR gate

If all the inputs are HIGH, output is HIGH. This gate is

Atleast if you have one ID card you will be allowed inside the shopping mall. What gate logic is this

Which gates are universal gates

Can we have 16 bit FA circuit

Directional gyro – set. Engine idle – checked. Flaps – as required. Flight controls – free and correct. Fuel gauges – checked. Instruments and radios – checked and set. Then the air plane can fly. what is this logic condition

2020 Batch Please enter last five digits of your roll number. 2018 Batch please enter your attendance as 18xxxxx, xxxxx are the last five digits of your roll number. 2019 Batch please enter your attendance as 19xxxxx, xxxxx are the last five digits of your roll number.

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