## Number system - Introduction to decimal and binary and their interconversion

## **MCQs**







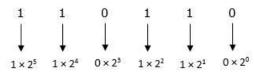
Q1- The number of digits in binary system are :				
a) 2	b) 16			
c) 10	d) None of the above			
O2 1 Nilhhla cantaina number of hite				
Q2- 1 Nibble contains number of bits	,			
a) 2	b) 4			
c) 8	d) 16			
O2 Canyout the fallowing his grown numbers to decire al	n una la ava			
Q3- Convert the following binary numbers to decimal numbers.				
1101102				
a) 58	b) 52			
c) 54	d) 50			
Q4- Convert the binary 10101 to its decimal equivalent.				
a) 21	b) 12			
c) 22	d) 31			
Q-5 Convert the Given Decimal Number to Binary Number: 26210				
a) 100100101 <sub>2</sub>	b) 100000101 <sub>2</sub>			
c) 100000110 <sub>2</sub>	d) 110000110 <sub>2</sub>			



## **Answers:**

Ans 1: a)2: Binary comes in the form of 0's and 1's.

Ans 2:b) 4 Ans 3:c) 54



$$= 32 + 16 = 0 + 4 + 2 + 0$$

= 54

Ans 4:a) 21

Explanation: To convert a binary number to its decimal equivalent follow these steps :

Ans 5 : c) 100000110<sub>2</sub>

	262		
2	131	-	0
2	65	-	1
2	32	-	1
2	16	-	0
2	8	-	0
2	4	-	0
2	2	-	0
2	1	-	0