	Now is binary addition done? Explain with an example.
Anst	Binary addition is similar to decimal addition. We add two or more numbers and finally get an output.
	due ax more number and finally get an output.
	In case of binary addition, it is performed using base-2.
	As a him lines number such on only user for say
	As we know binary number system only uses (or say understands) 0 and 1, it does the addition according.  Some basic rules of binary addition are;
	Concestands) of and 2, 11 does the account account.
	some basic sules of binary actourier ases
	0 + 0 = 0
	· · · · · · · · · · · · · · · · · · ·
	1+0=1
	1+1=10 i.e (0 with cassy 1).
No. in the	
	Examples
Will be	10010
	+01100 + 0 (a) 1 (0)
	100 00
	a traditional and the trade of the total and
2.	Define decimal to binary conversion with an example.
Ans:	We have studied four different number systems; they are Binary Number System, Octal Number System, Decimal Number System and Mexadecimal number System.  All of these Atom number systems can converted into any other number systems. In case of decimal system
	use Binary Number System, Octal Number System,
	Decimal Number System and Mexa decimal number System.
	All of these Atom number sustance can convexted into
	one that woher customs To me of decimal custom
200	and wing volume addition of the saster
Market Committee	



	· · · · · · · · · · · · · · · · · · ·
	(base 10) conversion to binary system (base 2)
	(base lo) conversion to binary system (base 2), this is done by repeatedly cliniding the decimal number by 2 and recording the remainder until wending up to 1. All the decimal numbers have their equivalent binary numbers.
155	number by 2 and seconding the remainder until
	wending up to 1. All the decimal numbers have
	their equivalent binary numbers.
	In this way, decimal number system can be converted in binary number system.  For example.
TVLO	in binary number system.
	lor example.
	2   2   2 7
	$\frac{2.15}{2.7} - \frac{2.13}{2.6} - \frac{1}{1}$
	2 3 - 1 2 3 - 0
	2 1 - 1 2 1 - 1 2 1
	0 -1 0 -1
220	
	$(27)_{10} = (1111)_2$ $(27)_{10} = (1011)_2$
0	Design to the second to the se
3.	Describe the concept behind floating point number representation with example.
	reposseriation with example.
Ant	Floating point representation is a way to represent
	seal numbers in computors to handle a wide range
and a	of values, from very small to very large. The
	concept behind floating point notation is similar to
	scientific notation.
· ·	



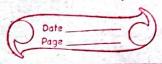
Floating point uses two orgisters. First stores the number without the binary point and second stores a number that indicates the position of the binary point in first orgister. Floating point numbers have two pasts which are called as Mantissa and Exponent.

Mantissa = 010111011 (leftmost 0 incliates the number)
Exponent = 000100 (decimal number 14)

--- Floating point number is Mantissa \* 2 exponent.

What can be the fixed point representation of a signed number 8?

That Fixed point number representation is a method of representating real number in computers where a specific number of bits are used to represent the integer and fractional parts of a number. The fixed point indicates that the decimal cor the binary) points position is fixed and close not float as in floating point representation.



	fixed point number representation of signed number 8.
2.5	men expensed that the state of
	Binary representation of (8) w= (1000)2
	Since 8 is positive, the sign bit is 0.
	Since 8 is positive the sign bit is O.
	Final fixed point representation (8 bits) = 01000.0000 [The fixed point is after four bit].
	[The fixed point is after four bit].
130	The state of the s
	1 Property James of the second
(3)	A particular binary number has 3 digits. What are the largest and smallest possible binary numbers and convert these numbers to base 10.
	are the largest and smallest possible binary numbers
	and convert these numbers to base 10.
TRANSPA	something the source of the so
Anst	for a 3 digits binary number, the smallest
- 445	number is 900. This is equal to 0 in allumat
Mal Ne	number System.
	Mathematically, 1990 to the state of the sta
patalore.	1 0x2 + 0x2 + 0x2 0x2
	= 0 + 0 + 0
	That is 0 me your hard full sufficient of it is seen and the
	of the first to be with the transfer to the tenter of the
	$-1$ , $(000)_2 = (0)_{10}$
1.0	A Transport of the Market State of the Market
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	Date Poge
	Similarly, the largest three digits binary number
	Similarly, the largest three digits binary number is (111)2. This is equal to (7)10 in decimal
	number system.
	Mathematically
	1/2 + 1/2 + 1/2
	· = 4 + 2 + 1
	= 7
	$-1$ , $(111)_2 = (7)_{10}$
2	
3	
-	