Bitmasking

## ) AND :

$\Rightarrow$	a	b	atb
	0	0	0
	0		0
		0	0
	ſ		

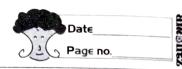
## 2) OR:

al	b 1	allb
0	. 6	0
0	l	1
1	0	\ (
	1	1

## 3) XOR:

al	b	a'b
0	0	0
O	(	1
	0	1
		0

3.3



6) Left shift (LL):

-> Shifts one bit to left side.

 $E_{X}: (10) \rightarrow (1010)_{2}$ 

1010 <(1 = (10100) => (20),0

Any no. a:-

Any no. afb:=  $(a < < b = a * 2^{b})$ 

7) Right Shift (>>):

- Shifts one bit to right

 $E_{x}$ :

 $00110 >>1 = (001) \rightarrow (3)$ 

-> Any no.a:

Any ne. afb:

a>>b = a

1(1)

dh