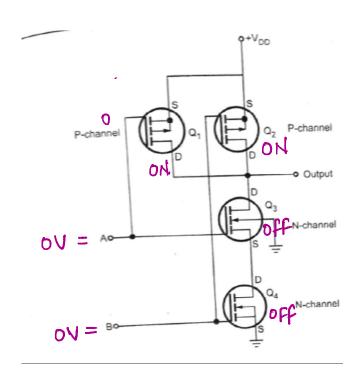
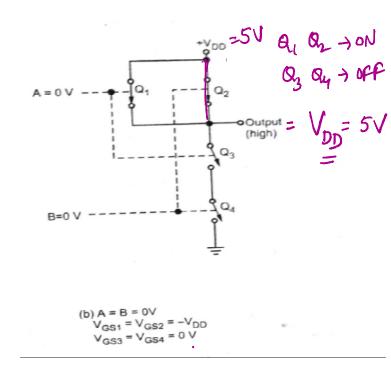
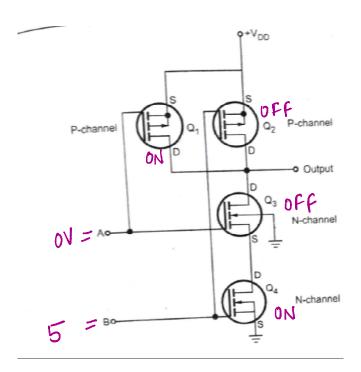
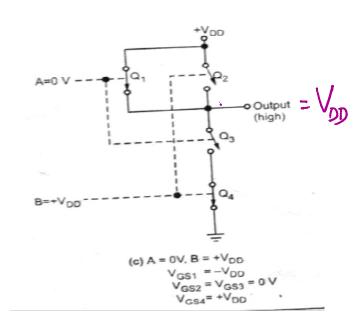
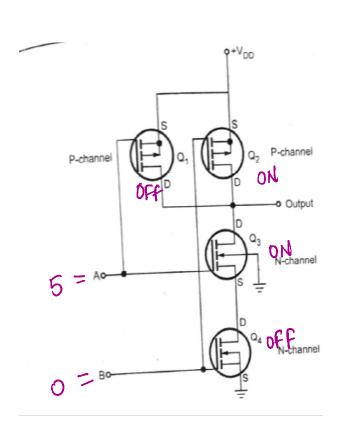
## **CMOS NAND GATE**

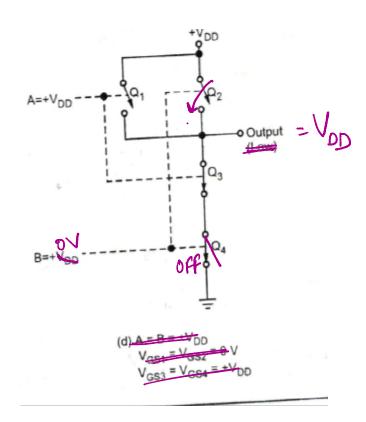


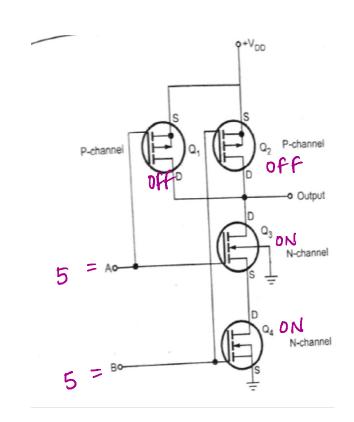


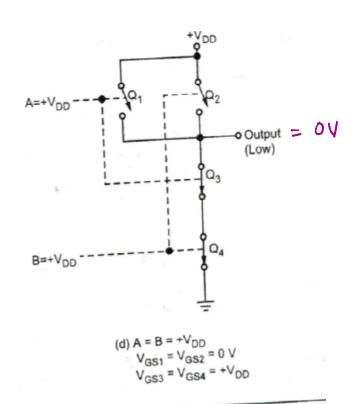












A	В	output		
0	0	V <sub>00</sub> = 5V		
٥	5	VOD	يد ا	NAND
5	0	UDD		
5	5	0	ر	

A	В	Q <sub>1</sub>	$Q_2$	$Q_3$	$Q_4$	Output
0	0	ON	ON	OFF	OFF	1
0	1	ON	OFF	OFF	ON	1 ~
1	0	OFF	ON	ON	OFF	1
1	1	OFF	OFF	ON	ON	0

Table 7.14 Truth table of NAND gate