

NOTES - ECGP2181 - 9/8/08

P1

What is the truth table for

$$F = a \text{ AND } (b \text{ OR } c)?$$

HEX	a	b	c	(b OR c)	F
0	0	0	0	0	0
1	0	0	1	1	0
2	0	1	0	1	0
3	0	1	1	1	0
4	1	0	0	0	0
5	1	0	1	1	1
6	1	1	0	1	1
7	1	1	1	1	1

NOTES - ECG 12 2181 - 9/8/08 p2

What is the truth table for

$$W = P \text{ AND } \text{NOT}(S) \text{ AND } K ?$$

P	S	K	Not S	W
0	0	0	1	0
0	0	1	1	0
0	1	0	0	0
0	1	1	0	0
1	0	0	1	0
1	0	1	1	1
1	1	0	0	0
1	1	1	0	0