

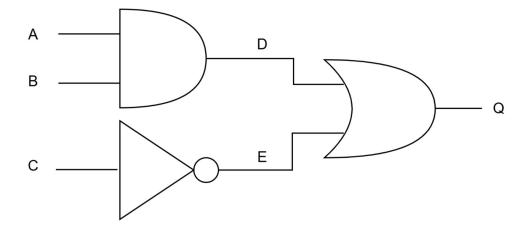
1. Create a truth table for the logic gate above.

А	В	С	D	E	Q
0	0	0			
0	0	1			
0	1	0			
0	1	1			
1	0	0			
1	0	1			
1	1	0			
1	1	1			
					[3]

3. Identify the correct logic gate for the truth table below and draw the logic gate in the diagram on the right.

Α	В	Output
0	0	0
0	1	1
1	0	1
1	1	1

1 1 1 1 Logic Gate:



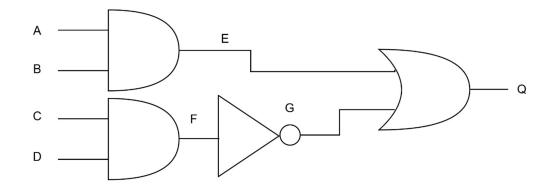
4. Create the truth table for the logic gate above.

L		[3]
		[3]

5.	Write the logic equation for the logic gate above

[2]





6. Complete the following truth table.

А	В	С	D	Е	F	G	Q
			0				
			1				
			0				
			1				
			0				
			1				
			0				
			1				
			0				
			1				
			0				
			1				
			0				
			1				
			0				
			1				

7.	Write the logic equation for the logic gate above

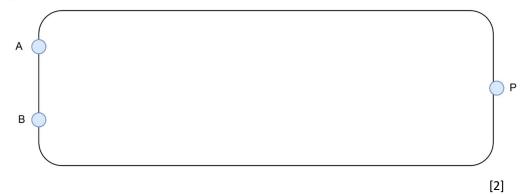
[3]

[4]



8. Draw the logic diagram for the following logic equation

P = ((NOT B) AND (A AND B))



9. Draw the truth table for the above logic equation

Α	В		Р

[3]

