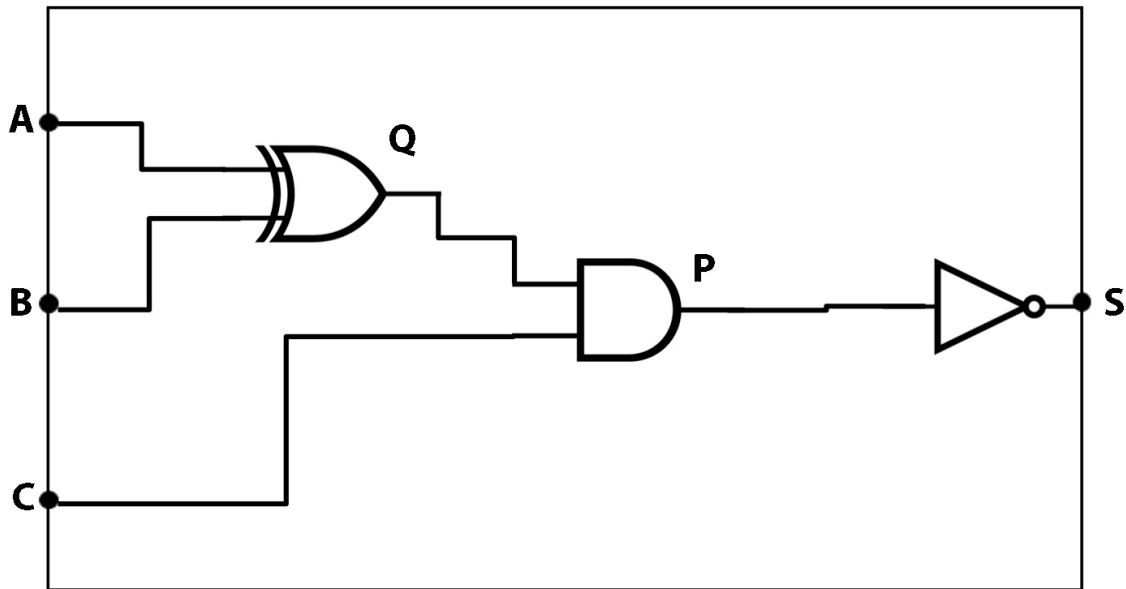


**01** A logic circuit is connected as shown. The circuit has three inputs, A, B and C, and one output, S.



**01.1** Complete the truth table for the circuit

[3 marks]

A	B	C	Q	P	S
0	0	0			
0	0	1			
0	1	0			
0	1	1			
1	0	0			
1	0	1			
1	1	0			
1	1	1			

**01.2** Write a word equation for the circuit above

[3 marks]

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**02** Write the logic statement NOT (A AND B) using logic notation symbols

[2 marks]

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