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Draw the logic gate symbol and state the Boolean expression that represents the NOR gate. (2 marks)

La dia data	1
Logic gate	Logic statement
	<u> </u>
Show the truth table for a NAND gate. (2 marks)	
WI MAND (C 1)	. 0 (1 1)
Why are NAND gates referred to as universal g	gates? (1 mark)
Explain how the full adder warks (2 marks)	
Explain how the full adder works. (3 marks)	

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Explain how you could build a circuit to add N bits using full adders (2 marks)
Identify the inputs of a d-type flip-flop (2 marks)
Simplify the boolean expression A.B+A+B (2 marks)
Simplify the expression (A + B).((B.C)+(C.B)) (2 marks)

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Simplify the expression	A+(B.A) (4 marks)
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