

Questions

1) State the purpose of a binary shift right? [1]

2) State the purpose of a binary shift left? [1]

3) State why would you perform a binary shift of 3 places to the left. [1]

4) State why would you perform a binary shift of 2 places to the right. [1]

5) a) Add together the following two 8-bit binary numbers. Express your response in an 8-bit binary form. [2]

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    0 1 1 0 0 0 1 1
+   1 0 1 1 1 1 0 0
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b) State the problem this addition has created. [1]

c) Explain why this is a problem. [2]

5) a) Perform a **two** place right shift on the binary number 11001010. [1]

b) Explain the effect of performing this right shift. [2]