**Number System - QUIZ 2 (10 MARKS)**

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Shift the binary number three places to the right and comment on your result.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

Write the denary value of the binary value before and after shifting it into right

Before ………………………………………………………………………………………………

After …………………………………………………………………………………………………

Working Space ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

[3]



Shift the binary number four places to the left and comment on your result.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

Write the denary value of the binary value before and after shifting it into left

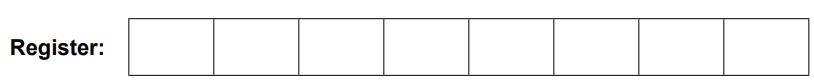
Before ………………………………………………………………………………………………

After …………………………………………………………………………………………………

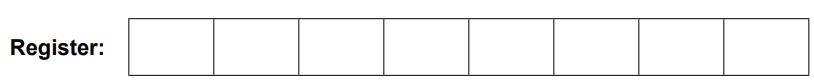
Working Space ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

[3]

1. Negative denary numbers can also be represented as binary using two’s complement. Complete the binary register for the denary value −54 and -67. You must show all your work.
   1. -54



* 1. -67



Working space .........................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................

[4]