6-A-Day – Computer Science GCSE (38)

Q1

The computer sometimes uses virtual memory.

Describe what is meant by virtual memory **and** state why it is needed.

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.... **[3]**

Q2

Apu has a handheld e-book reader that allows him to store and read electronic books.

(a) State **one** input and **one** output device that can be built into the e-book reader to allow users to read books.

Input device ....

....

Output device ....

....
[2]

Q3

Describe what is meant by proprietary software.

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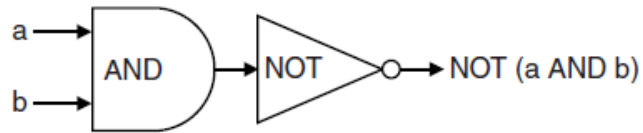... **[2]**

Q4	The following logic diagram shows the expression NOT (a AND b).

Complete the missing boxes in the truth table below to show the value of NOT (a AND b) that will be output for each possible set of values of a and b.

a	b	NOT (a AND b)
0	0	1
0		1
1	0	

[4]

Q5

If 62 is a hex number, calculate its value as a denary number.

You **must** show your working.

....

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.... [2]

Q6

If 62 is a denary number, calculate its value as a hex number.

You **must** show your working.

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.... [2]