The questions on this worksheet have been taken from the OCR GCSE Computing June 2011 Paper
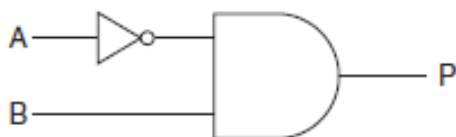
6-A-Day – Computer Science GCSE (14)

Q1

The following logic circuit can be written as P = (NOT A) AND B

Complete the following truth table for the circuit given above.

A	B	P
0	0	0
0	1	
1	0	
1	1	

[3]

Q2

Describe the following types of common utility programs.

(a) Antivirus

....

....

....

.... [2]

Q3

(b) Disk defragmenter

....

....

....

.... [2]

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Q4	Convert the hexadecimal number 6A to denary. You must show your working. .... **[2]**
Q5	Explain why hexadecimal numbers are often used to represent binary numbers. .... **[2]**
Q6	The data type of WheelSize is integer and the data type of Circumference is real number. Explain the difference between an integer and a real number. .... **[2]**