The answers on this worksheet have been taken from the 2018 OCR GCSE Computer Science Paper 2

6-A-Day – Computer Science GCSE (p2.8-2016)

Q1

1 mark per bullet, max 2

- A (name/identifier for a) **memory location**
- used to (temporarily) **holds/contains/stores** data / value // is assigned a value
- that **can be** changed / **possible** to change (while the program is running)

2

Do not accept "will change" for bullet point 4.

Do not allow "holds/stores something" or "holds/stores information" for bullet point 2.

Do not accept name / identifier without reference to a memory location. Do not accept "a value given a name" or equivalent.

Q2

1 mark per bullet, max 2

- k
- p
- m

2

Ignore capitalisation.

Correct answer only. Do not allow other code in answer.

Q3

1 mark per bullet, max 2

- AND / conjunction
- NOT / negation

2

Allow Boolean notation.

Q4

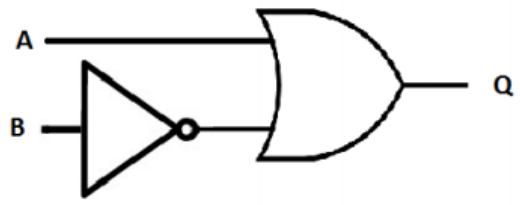
A	B	Q
0	0	**1**
0	1	**1**
1	0	**1**
1	1	**0**

4

1 mark per row

Q5

1 mark per bullet, max 2



- OR gate with **two inputs** // NOT gate **on B input**
- Logic system as above with no other gates, with labelled inputs of A and B.

2

First mark can be awarded if candidate has either a NOT gate from B, or an OR gate with two inputs anywhere in their answer.

Second mark is only awarded of the logic system as shown is given with no other additional gates.

Correct logic diagrams needed for OR and NOT, including circle on NOT. Use professional judgement. Ignore labelling.

No need to label Q output.

Q6

1 mark per filled gap, max 3

```
01 function librarycode(title, year)
02     parta = title.substring(0, 3)
03     partb = year.substring(2, 2)
04     return parta.upper + partb
05 endfunction
```

3

Ignore capitalisation.

Allow **librarycode =** for 3rd mark – this is an equivalent in some languages for returning a value (eg. Visual Basic).

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