

6-A-Day – Computer Science GCSE (18)

Q1

A computer has a hard disk of 2 Terabytes.

How much is this in Gigabytes?

You **must** show your working.

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..... [2]

Q2

One of the functions of an operating system is multi-tasking.

(a) Explain **one** reason why multi-tasking is needed in an operating system.

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..... [2]

Q3

(b) State **two other** functions of an operating system.

1

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2

..... [2]

Q4

A mail-order company buys dresses from America and France to sell in the UK.

The company uses the following algorithm to convert sizes before printing them in its catalogue. Half sizes are not possible (e.g. size 12.5).

```
INPUT Size
INPUT Origin
IF Origin = "America" THEN
    Size = Size + 2
ELSE
    IF Origin = "France" THEN
        Size = Size - 26
    END IF
END IF
PRINT Size
```

(a) The code uses the variables Origin and Size.

(i) Describe what is meant by a variable.

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..... [2]

Q5

State the most appropriate data type for the variables Origin and Size, giving a reason for your choice.

Origin

Data type

Reason

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Q6

Size

Data type

Reason

..... [4]