

## 6-A-Day – Computer Science GCSE (16)

Q1

A secondary school is upgrading its computer equipment.

(b) Complete the table below to show whether magnetic, optical or solid state storage is most appropriate for each of the following uses. Give a reason for each case. The first one has been done for you.

Use	Magnetic, optical or solid state	Reason why this is most appropriate
Storing pictures in a digital camera	solid state	Is not affected by the camera being moved around
Handheld device used by students for field work		..... ..... .....
Storage drives on the school's main file server		..... ..... .....
Videos of the school production to be given to parents		..... ..... .....

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[6]

Q2

A grocery shop uses a database with a DBMS to keep records of its stock.

The database uses forms and reports.

Describe each of these and give **one** example of how it would be used in the shop's database.

Form

.....  
.....  
.....  
..... [2]

Example

.....  
..... [1]

The questions on this worksheet have been taken from the OCR GCSE Computing June 2011 Paper

Q3

Report

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..... [2]

Example

.....

..... [1]

Q4

Here is some data from the supermarket's database.

ProductID	Description	Supplier	Quantity Left	Reorder Level	Discontinued	Price
0001	6 eggs	Hill Farm	50	20	FALSE	£0.98
0002	2 litres of milk	Hill Farm	17	20	TRUE	£1.20
0003	1kg apples	Killey's	42	50	FALSE	£0.79
0004	250g butter	Hill Farm	12	25	FALSE	£0.49
0005	500g Moku Flakes	Moku Foods	0	10	TRUE	£0.99
0006	6 salad tomatoes	Killey's	30	30	FALSE	£0.89
0007	580g can baked beans	Moku Foods	27	30	FALSE	£0.42
0008	Family tomato ketchup	Moku Foods	41	20	FALSE	£1.45

(c) The shop runs queries using logical operators to select data for different purposes.

(i) State the ProductID of the products in the above sample which fit the following criteria.

Supplier = Killey's

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.....

Q5

Price > £1.00 OR Supplier = Hill Farm

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..... [4]

Q6

Write the criteria which can be used to select all products which are not discontinued and where the QuantityLeft is lower than the ReorderLevel.

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..... [3]