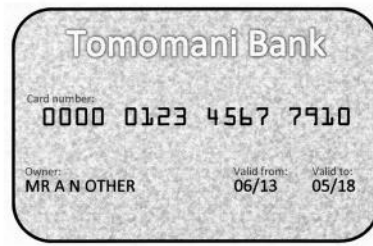# 6-A-Day – Computer Science GCSE (39)

Q1	When customers pay using a card such as the one below, shops use computer systems to process the payment.

Tomomani Bank

Card number:
0000 0123 4567 7910

Owner:
MR A N OTHER

Valid from:
06/13

Valid to:
05/18

(a) Tick **one** box in each row, to show which of the data types given is the most appropriate data type for each of the following data items.

Data item	Date	Integer	Real	String
The amount paid				
The customer's card number				
When the payment is made				

[3]

Q2	*Produce a bullet point plan for your essay answer*	Explain why it is important for computer systems that process card payments to be reliable.

The quality of written communication will be assessed in your answer.

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[6]

Q3	

Julian buys a new laptop with a system information utility and a diagnosis utility.

Describe, using examples, the purpose of the system information and diagnosis utilities.

System information utility

....

....

Example

....

....

Q4	
	Diagnosis utility
	....
	....
	Example
	....
	.... [4]
Q5	Types of secondary storage devices are magnetic, optical or solid state.
	(i) State which type of storage is most suitable for storing the electronic books inside the e-book reader.
	.... [1]
	(ii) Explain **one** reason why this type of storage is the most suitable.
	....
	....
	....
	.... [2]
Q6	Apu gets a free e-book on a CD-ROM from a magazine.
	(i) Give **two** reasons why a CD-ROM is suitable in this case.
	1 ....
	....
	2 ....
	.... [2]
	(ii) State whether a CD-ROM is magnetic, optical or solid state storage.
	.... [1]