## 6-A-Day – Computer Science GCSE (41)

A school uses a database, which stores the attendance data of the pupils. The data is entered by teachers using a desktop data application and accessed by parents using a web page or mobile phone application.
Explain <b>one</b> benefit of separating the data from the applications that use the school's attendance database.
[3]
The school uses a database management system (DBMS) to separate the data from the applications that use it.
Describe <b>one</b> example of how each of the following features of a DBMS can be used in the school's attendance database.
The ability to run queries
[2]
The ability to set validation rules
[2]

Q4	A typical smart phone is a computer system with input, output and storage devices.				
	State <b>one</b> input device, <b>one</b> output device and <b>one</b> secondary storage device that are built into a smart phone.  Input device				
	Output device				
	Storage device				
				[3]	
Q5	The website	of a school allows visitors to download JPG, MP3	B, MPEG and PDF	files.	
	(a) The table below describes the content of four files that can be downloaded from the website.				
	Complete the table using the file types above, identifying the <b>most suitable</b> file type for each item. You may use a file type more than once if appropriate.				
		Content	Type of file		
		An image showing a map of the school			
		A text document containing information for parents about the school rules			
		A high resolution picture of all the staff and pupils			
		A short video clip of some pupils saying why they like the school			
				[4]	
Q6	The video	clip is compressed using lossy compression.			
	Explain why lossy compression is suitable for a video clip, but not suitable for a text document.				
				[ა]	