6-A-Day – Computer Science GCSE (20)

Q1	Mrs Smith runs a dog sitting service that looks after dogs whose owners are going away on holiday.
	
	Mrs Smith uses a database with two tables:
	   • The table DOG stores the following data about each dog: DogID, name, sex, weight, date of arrival, date of departure.
	   • The table JOB stores the daily jobs that she needs to do with each dog.
	
	(a) The DOG table contains fields for the sex and weight of the dog.
	
	   (i) Describe a validation check that can be done on the sex field.
	
	....
	
	....
	
	....
	
	.... **[2]**

Q2	**(ii)** Describe **a different** validation check that can be done on the weight field. .... **[2]**
Q3	A school uses a computer system to monitor the attendance, punctuality and homework of its pupils. **(a)** Describe **two** ways in which modern computer technology can help the school monitor the pupils. 1. .... 2. .... **[4]**

Q4	The school has decided to use off-the-shelf software. **(i)** State **two** advantages of off-the-shelf software. 1 .... 2 .... **[2]**
Q5	**(ii)** State **two disadvantages** of off-the-shelf software. 1 .... 2 .... **[2]**
Q6	Mina's computer has 4GB of RAM. Mina upgrades the computer to 6GB of RAM. Explain how this upgrade will affect the performance of the computer. .... **[2]**