The questions on this worksheet have been taken from the 2018 OCR GCSE Computer Science Paper 1

6-A-Day – Computer Science GCSE (p1.5-2016)

Q1	William is creating a film for a school project using a digital video camera. **(a)** The digital video camera has a secondary storage device. The digital video camera uses solid state storage. Explain why solid state storage is the most appropriate type of storage for the digital video camera. .... **[4]**
Q2	William transfers the videos to a computer for editing. **(i)** The computer has 1GB of storage free. Calculate the number of videos that could be stored on the computer if each video was 100MB in size. Show your working. .... **[2]**
Q3	A program needs to calculate the size of files in bytes. The program must: ○ Ask the user to input a file size in megabytes ○ calculate and output the number of bytes this represents in a user friendly format (e.g. `"There are 5242880 bytes in 5MB"`). Write an algorithm using pseudocode to calculate the number of bytes in a given number of megabytes. .... **[6]**

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Q4	William's computer has utility programs installed including automatic backup. **(i)** William can choose between a full or incremental backup. Identify the backup method William should use to backup the computer, justifying your choice. Method: .... Justification: .... **[3]**
Q5	Give **one** additional utility program William could make use of and describe how he would use it. Utility program: .... Description of use: .... **[3]**
Q6	William wants to upload his videos on the Internet and is considering releasing them under a Creative Commons license. Explain how a Creative Commons license will impact the use of William's videos by other people. .... **[3]**