

6-A-Day – Computer Science GCSE (p1.4-2016)

Q1	<p>A law firm currently use a Local Area Network (LAN) linked to a Wide Area Network (WAN). They want to upgrade their system to utilise cloud storage.</p> <p>(a) Define what is meant by a Wide Area Network.</p> <p>.....</p> <p>[1]</p>
Q2	<p>(b) Explain two advantages to the law firm of storing their data in the cloud.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>[4]</p>
Q3	<p>(c) Explain two disadvantages to the law firm of storing their data in the cloud.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>[4]</p>
Q4	<p>William is creating a film for a school project using a digital video camera.</p> <p>(a) The digital video camera has a secondary storage device.</p> <p>(i) Explain why the digital video camera needs secondary storage.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>[2]</p>

The questions on this worksheet have been taken from the Original OCR GCSE Computer Science Specimen Paper

Q5

Fig. 3 lists some actions that may take place in the law firm's office. Tick (✓) **one** box in each row to show which legislation applies to each action.

Fig. 3

Action	Data Protection Act 1998	Computer Misuse Act 1990	Copyright Designs and Patents Act 1988
Using a picture for the law firm's new logo without the original creators permission.			
A secretary accessing a lawyer's personal email account without permission.			
Making a copy of the latest Hollywood blockbuster movie and sharing it with a client.			
Storing customer data insecurely.			
A lawyer installing a key logger on the secretary's computer.			
Selling clients personal legal data to a marketing company without their permission.			

[6]

Q6

Even though the computer devices they own still work, people often want to buy the most up-to-date models, such as the latest smartphone.

Discuss the impact of people wanting to upgrade to the latest smartphone.

In your answer you might consider the impact on:

- stakeholders
- technology
- ethical issues
- environmental issues

[8]