Copyright Disclaimer: All materials used in these free 6-a-day resources are taken from past OCR GCSE Computing Exams – The OCR exam board owns the copyright for these exam questions – questions have been used with their permission

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

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

Q1	 The computers are geographically remote/ distanced/ more than a mile apart Communication medium is not owned by the law firm 	1 (AO1 1a)	1 mark only to be awarded for a correct definition. Accept responses such as the company doesn't own the infrastructure Do not accept 'Network over a wide area' or similar arrangement of wording
Q2	 Two advantages from: It would offer additional storage (1) so the firm can take on more cases (1) It is a very efficient method of backing up data (1) and so saves the firm time and money (1) It would allow their employees to work from anywhere (1) so they can take cases from other countries (1) It is environmentally friendly (1) Easy to increase availability of storage (1) You don't need specialist network skills (1) so the firm don't need to employ more staff (1) The third party provides security (1) so the firm saves money on staff and software/hardware (1) Cheaper as don't need own infrastructure (1) Each advantage needs to be contextualised to gain 2 marks. 	4 (AO2 1b)	1 mark is to be awarded for each correct advantage, with a mark for a discussion of the advantage related to the law firm. To a maximum of 2 advantages. The total number of marks to be awarded for this task is 4 marks. Responses which are not contextualised will gain a maximum of 1 mark per advantage (to a maximum of 2 advantages)
Q3	 Two disadvantages from: You need a constant internet connection (1) which lawyers who travel a lot may not always have (1) Reliant on third party to carry out security procedures (1) but the firm are still legally responsible if things go wrong (1) Reliant on third party for back up connection (1) Data stored in the cloud will be vulnerable to hacking and other threats (1) which the firm have no control over (1) Issues regarding data ownership (1) Implications of Data Protection Act (1) 	4 (AO2 1b)	1 mark is to be awarded for each correct disadvantage with a mark for a discussion of the disadvantage related to the law firm. To a maximum of 2 disadvantages. The total number of marks to be awarded for this task is 4 marks. Responses which are not contextualised will gain a maximum of 1 mark per disadvantage (to a maximum of 2 disadvantages)
Q4	1 mark per bullet to max 2 2 • For long term/permanent/non-volatile storage // storing when the device is turned off AO2 1a (AO2 1a (AO2 1b (AO	(1) Bullet (1) Bullet For via signifi e.g. pl Accep	t award capacity. 3 – portable is not enough, needs ation. 2 – must identify the data is stored. deos accept data or any other term that es the data is being stored/transferred hotos/images. ot any alternative for transfer e.g. ng/exporting.
Q5	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 creator's personal email account without 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 client's personal data to a marketing company without their permission ✓ ✓	(AO1 1b)	1 mark for each tick in the correct box. 0 marks for a row with more than one tick.

Copyright Disclaimer: All materials used in these free 6-a-day resources are taken from past OCR GCSE Computing Exams – The OCR exam board owns the copyright for these exam questions – questions have been used with their permission

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

