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|  | |  |  | | --- | --- | | **Computer Science (9-1)**  Cloud Storage 1 |  | | Please note that you may see slight differences between this paper and the original.  Candidates answer on the Question paper.  **OCR supplied materials:** Additional resources may be supplied with this paper.  **Other materials required:** •   Pencil •   Ruler (cm/mm) | **Duration:** Not set | |  | | |  |

## INSTRUCTIONS TO CANDIDATES

•   Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.  
•   Use black ink. HB pencil may be used for graphs and diagrams only.  
•   Answer **all** the questions, unless your teacher tells you otherwise.  
•   Read each question carefully. Make sure you know what you have to do before starting your answer.  
•   Where space is provided below the question, please write your answer there.  
•   You may use additional paper, or a specific Answer sheet if one is provided, but you must clearly show your candidate number, centre number  
    and question number(s).

## INFORMATION FOR CANDIDATES

•   The quality of written communication is assessed in questions marked with either a pencil or an asterisk. In History and Geography   
    a *Quality of extended response* question is marked with an asterisk, while a pencil is used for questions in which *Spelling, punctuation and  
    grammar and the use of specialist terminology* is assessed.  
•   The number of marks is given in brackets **[ ]** at the end of each question or part question.  
•   The total number of marks for this paper is **8**.  
•   The total number of marks may take into account some 'either/or' question choices.

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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | |  |  | | --- | --- | |  |  | | **1(a).** | 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.  Explain **two** advantages to the law firm of storing their data in the cloud.              **[4]** | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | |  |  | | --- | --- | |  |  | | **(b).** | Explain **two** disadvantages to the law firm of storing their data in the cloud.              **[4]** | | |

**END OF QUESTION paper**

# Mark scheme

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| **Question** | | | **Answer/Indicative content** | **Marks** | **Guidance** |
| 1 | a |  | 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) * The third party provides backup (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 | 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) |
|  | b |  | 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)   Each disadvantage need to be contextualised to gain 2 marks | 4 | 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) |
|  |  |  | **Total** | **8** |  |