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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       |
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## 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]**  |

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

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**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** |  |