MODULE B MEMORY AND STORAGE · B6

Cloud storage: mark scheme

20 marks · OCR J277 spec 1.3.1

How to use. 1 mark per bullet up to the maximum shown. **/** separates alternative answers. Words in (brackets) are not needed for the mark. Credit any other valid answer that shows the same understanding.

QUESTION	ANSWER	MARKS	GUIDANCE
1(a) J277 1.3.1	Services / resources provided remotely / by another organisation / on (someone else's) remote servers accessed over the internet e.g. storage / software / processing	**2**	1 mark per bullet, max 2. Do not accept "in the sky" / "online storage" alone for both marks: storage alone as an example is 1 mark max.
1(b) J277 1.3.1	Survey photos: Storage Word processor in a browser: Software 3D model calculations: Processing	**3**	1 mark per correct row. 2+ ticks in a row = 0 for that row.
2(a) J277 1.3.1	Physical servers: True Only on the uploading device: False Any internet connection, including mobile data: True User does not control security: True	**4**	1 mark per correct row. 2+ ticks in a row = 0 for that row.
3(a) J277 1.3.1	Can be accessed from anywhere with an internet connection / on any device (1) ... architects can open drawings on building sites / staff in all three offices can use the same drawings (1) Easy to share / collaborate (1) ... architects in different cities can work on the same drawing / no need to copy drawings between offices (1) Storage can be increased easily / scalable (1) ... as the practice makes more drawings it can buy more space without buying new drives (1) Provider (usually) handles backups (1) ... drawings are not lost if an office drive fails (1) Provider handles maintenance / security updates (1) ... the practice does not need its own staff to look after the hard drives / servers (1) No need to buy / own the storage hardware (1) ... saves the cost of a hard drive in each office (1)	**4**	Mark in pairs: 1 for the advantage, 1 for the explanation in context. The second mark depends on the first. Do not award the same advantage twice. Accept "access anywhere" only with internet implied or stated.

QUESTION	ANSWER	MARKS	GUIDANCE
3(b) J277 1.3.1	Needs an internet connection (1) ... architects cannot open drawings on a site with no signal / if an office connection fails, staff cannot work (1) The practice does not control the security (of its data) / relies on the provider's security (1) ... if the provider is hacked, drawings could be stolen (1) Ongoing cost / subscription (1) ... the practice must keep paying for the storage every month / year (1) Less control over the data / the provider controls where and how it is stored (1) ... drawings could be lost or unavailable if the provider has a fault / goes out of business (1) Upload / download speed depends on the connection (1) ... large drawing files may take a long time to open (1) Data could be hacked / stolen / intercepted (1) ... which the practice has no control over // drawings could be seen by others (1)	**4**	Mark in pairs as 3(a). Do not accept "less secure" / "poor security" alone (NE): the point is that the user does not control the security (OCR examiners' report, June 2025). Do not accept "needs Wi-Fi": any internet connection works.
4(a) J277 1.3.1	Can be used from any device / anywhere with an internet connection Nothing to install / no storage space used on own computer Updates are done by the provider / always the latest version Work can be shared with clients easily	**1**	Any one. Mark first answer only.
4(b) J277 1.3.1	Remote servers are more powerful / have more processing power than the editor's computer ... so the video is processed faster The editor's own computer is free to do other work while it is processed The editor does not need to buy an expensive / powerful computer	**2**	1 mark per bullet, max 2. "Faster" alone (without saying what is faster / why) = NE.

Total: 20 marks