

Exam Report: 5.1.3 Practice Questions

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Time Spent: 9:38

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Overall Performance

Your Score: 89%



Passing Score: 80%

View results by: ☐ Objective Analysis ☒ Individual Responses

Individual Responses

▼ Question 1: Correct

A sales person requires that a large number of document, data, presentation, image, and video files be accessible on their personal mobile device when making sales pitches to new customers. A cloud solution is not feasible, since cellular and internet connections are not always guaranteed at a customer site.

Which of the following accessories would a technician suggest to BEST meet the sales person's requirements?

- ☐ Credit card reader
- ☐ Docking station
- ☐ Wireless hotspot

➡ ☒ Micro SD Card

Explanation

A micro SD will add storage to a mobile device. Data files on the micro SD will be available even without cellular and Wi-Fi connectivity. The card can be moved to other devices to update the files.

A docking station might be beneficial if a storage device is attached. However, the docking station would be clumsy to work with and is not the BEST solution.

A wireless hotspot would not be possible if there is no cellular connectivity.

A credit card reader would be helpful when collecting payment when a sale is made, but will not store data files.

References

TestOut PC Pro - 5.1 Storage Devices
[e_stor_pp6.exam.xml Q_STG_OVW_ACCESSORIES_PORTS_05]

▼ Question 2: Correct

What method does an SD card use for storing data?

- ☐ Reflective surface and optical readers
- ➡ ☒ Non-volatile memory chips
- ☐ Magnetic tape
- ☐ Magnetic disks and platters

Explanation

Flash devices store information using programmable non-volatile flash memory. Common flash devices are eMMC, SD, SSD, MiniSD, MicroSD, memory sticks, and USB thumb drives. DLT drives use

magnetic tape. Hard disks use magnetic disks and platters. Optical drives use a reflective surface and

References

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[e_stor_pp6.exam.xml Q_STG_OVW_EMMC_CARD]

▼ Question 3: Incorrect

You need a storage device that has very large storage capacity, is fast, and is relatively inexpensive. Which storage device will best suit your needs?

- ☐ Optical
- ☐ USB flash drive
- ➡ ☐ Hard disk
- ☒ SSD

Explanation

A hard disk has a large memory capacity, is fast, and is relatively inexpensive. Optical disks are also inexpensive, but are not as fast and do not provide the storage capacity of hard disks. USB flash drives are not as inexpensive as hard disks with equal storage capacity and are not available with the capacity as the larger hard disks. Solid State Drives (SSDs) have a large memory capacity and are fast, but are much more expensive than comparable hard drives.

References

TestOut PC Pro - 5.1 Storage Devices

[e_stor_pp6.exam.xml Q_STG_OVW_HARD_DISK_01]

▼ Question 4: Correct

Which storage device uses aluminum platters for storing data?

- ☐ SD card
- ☐ CD-ROM disc
- ➡ ☒ Hard disk
- ☐ DVD disc
- ☐ DLT tape

Explanation

Hard disks use magnetic disks and platters. Optical drives such as DVD or CD-ROM drives use a reflective surface that is read by an optical reader. Flash devices such as SD cards store information using programmable non-volatile flash memory. DLT drives use magnetic tape.

References

TestOut PC Pro - 5.1 Storage Devices

[e_stor_pp6.exam.xml Q_STG_OVW_HARD_DISK_02]

▼ Question 5: Correct

Match each storage device type on the left with its description and benefits on the right.

A thick magnetic disk made of aluminum platters. Uses read/write heads to access data stored on the platters.

✔ Hard disk drive (HDD)

A flash device and storage capacity similar to a small hard drive.

✔ Solid state drive (SSD)

Uses lasers to read and write information stored in the form of pits in their reflective coating.

✓ Optical disc

Provides up to several terabytes in storage capacity, and cost per megabyte is very low.

✓ Hard disk drive (HDD)

Faster than other devices. No moving parts. Lasts longer than other storage devices.

✓ Solid state drive (SSD)

Ideal for music and video. Portable and cheap with a long shelf life.

✓ Optical disc

Explanation

Hard disk drives (HDD) are thick magnetic disks made of aluminum platters. They use read/write heads to access data stored on the platters. They provide up to several terabytes of storage capacity, and their cost per megabyte is very low.

A solid state drive (SSD) is a flash device with storage capacity similar to a small hard drive. They are faster than other devices. They have no moving parts and last longer than other storage devices.

Optical discs use lasers to read and write information that is stored in the form of pits in their reflective coating. They are ideal for storing and playing music and video. They are portable and cheap and have a long shelf life.

References

TestOut PC Pro - 5.1 Storage Devices
[e_stor_pp6.exam.xml Q_STG_OVW_HDD_SSD_AND_OPTICAL]

▼ Question 6: Correct

Which of the following is a magnetic storage devices?

☐ Solid state drive

☐ DVD

☐ Flash device

➡ ☒ Hard disk

Explanation

A hard disk is a thick magnetic disk encased in a thicker protective shell.

Optical discs such as CDs and DVDs use lasers for both reading and writing information. Flash devices store information using programmable non-volatile flash memory. Solid state drives are flash devices with a storage capacity similar to a small hard drive.

References

TestOut PC Pro - 5.1 Storage Devices
[e_stor_pp6.exam.xml Q_STG_OVW_MAGNETIC_STORAGE]

▼ Question 7: Correct

Which of the following are advantages of solid state storage compared to hard drives? (Select TWO.)

➡ ☒ No moving parts

☐ Larger storage capacity

☐ Inexpensive

☐ Proprietary disk interface



➤ Lower power requirements

Explanation

Solid state drives have the following advantages when compared to hard disk drives:

- Lower power consumption
- No moving parts (and are, therefore, less prone to failure)
- Faster
- Less susceptible to physical damage (from dropping)
- Smaller and lighter
- Use standard SATA disk interfaces

The storage capacity for SSDs is small in comparison to HDDs. SSDs are several times more expensive than comparable HDDs.

References

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[e_stor_pp6.exam.xml Q_STG_OVW_SOLID_STATE_DRIVES_01]

▼ Question 8: Correct

Which of the following is not an advantage of SSDs over HDDs?

- ☐ Durable
- ☐ Small and light
- ☒ Inexpensive
- ☐ Low power consumption

Explanation

Solid State Drives (SSDs) are generally more expensive than hard disk drives (HDDs). Some advantages of SSDs over HDDs include the following:

- Faster
- No moving parts, so they last longer
- Lower power consumption
- Less susceptible to physical damage (from dropping) and immune to magnetic fields
- Smaller and lighter

References

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[e_stor_pp6.exam.xml Q_STG_OVW_SOLID_STATE_DRIVES_02]

▼ Question 9: Correct

You are in the process of purchasing several new Windows-based computers to replace broken or outdated computers. You have heard that solid state drives (SSDs) can significantly increase the overall performance of the system.

Which of the following BEST describes the features of solid state drives (SSDs) compared to hard disk drives (HDDs)? (Select TWO).

- ☒ An SSD uses flash technology to store data.
- ☐ SSD spindles spin at a faster rate than HDD.
- ☐ An SDD has the best Mean Time Before Failure (MTBF).
- ☐ An SSD can be adversely affected by magnetism.
- ☐ An SSD stores a large amount of storage cheaply.
- ☒ An SSD opens files faster than an HDD.

Explanation

A solid state drive is a flash device with a storage capacity similar to a small hard drive. Solid state drives are used as replacements for hard disk drives and store operating system, application, and data files.

Solid state drives have several advantages. They:

- Are faster than hard drives
- Have no moving parts.
- Have lower power consumption than hard drives (which is good for laptops).
- Are less susceptible to physical damage (from dropping) and immune to magnetic field damage.
- Are smaller and lighter than hard drives.

The main disadvantage of solid state drives is cost--they are several times more expensive than comparable hard drives. However, their advantages make them a good choice in many situations, especially for portable devices.

References

TestOut PC Pro - 5.1 Storage Devices

[e_stor_pp6.exam.xml Q_STG_OVW_SSD_DRIVES]