

Flashcards – quiz 8

essay



**ASSIGN
BUSTER**

What kind of controller uses serial signals to transfer data, instructions, and information? SATA

Which of the following is a good practice to follow to avoid scratching or damaging a disc like the one in the accompanying figure? Hold the disc by its edges.

Which of the following statements is not true about hard drives? A hard disk that is mounted inside the system unit is sometimes called a permadisk.

Memory (chips) accesses items in which of the following units of time? nanoseconds

Which of the following does NOT use direct access? tape

You want a storage medium that allows you to locate a particular data item immediately, without having to move consecutively through items stored in front of the desired data item or file. What kind of access will this storage medium use? direct

You are looking to implement a high-speed network with the sole purpose of providing storage to other attached servers. Which of the following will you implement? SAN

A popular use of CD-RW and CD-R discs is to create audio CDs. What is the process of copying audio and/or video data from a purchased disc and saving it on digital media called? ripping

Which of the following terms is the number of bytes (characters) a storage medium can hold? capacity

A standard CD-ROM is referred to as this kind of disc because manufacturers write all items on the disc at one time. What is the term used? single-session

You can erase a DVD+R

false

Which of the following kinds of cards stores data on an integrated circuit embedded in the card? smart

What best describes an optical disc? a flat, round portable disc that is written and read by a laser

Which of the following is not a characteristic of a hard disk

write-protect notch

A DVD-RW is a high-capacity optical disc on which users can read but not write or erase. false

What does NAS stand for? network attached storage

Which of the following is not true about tape storage? A benefit of

tape is that it allows for nonsequential access. Which of the following is NOT an advantage of external hard drives over internal hard drives? They leave data in the computer. Some computers improve hard disk access time by using which of the following, which consists of memory chips that store frequently accessed items? disk cache Which of the following is the largest from among the following? YB What kind of storage is an Internet service that provides storage to computer or mobile users? cloud Which of the following is not a characteristic of a hard disk? write-protect notch Which of the following is NOT true about storage media and devices? Writing is the process of transferring items from storage media to memory. Which term is used to describe large businesses that require special hardware geared for heavy use, and maximum availability and efficiency to fit the needs of their hundreds or thousands of workers? enterprise Which of the following is the mechanism that reads and writes items in the drive as it barely touches the disk's recording surface? read/write head Which of the following overcomes the major disadvantage of CD-R disks, which is being able to write on them only once? CD-RW What technology works with specially coated optical discs to etch labels directly on the disc? LightScribe Items on a storage medium remain intact even when power is removed from the computer. What term describes this characteristic? nonvolatile Which of the following is NOT a cloud storage provider that places a folder on your computer with contents you can synchronize across multiple devices? CloudDrive Which of the following kinds of backup is another name for a selective backup? partial Which of the following is not true about tape storage? A benefit of tape is that it allows for nonsequential access. What is being measured using KBps, MBps, and GBps? transfer rate You are looking for the best protection

against data loss. Which of the following will you use? archival backup
What causes a head crash on a hard disk? A read/write head touches the surface of a platter. Which of the following kinds of RFID tags contains a battery that runs the chip's circuitry and broadcasts a signal to the RFID reader?

active
Optical discs should be stored in a flat (horizontal) position. false
What is the term for a narrow recording band that forms a full circle on the surface of a hard disk? track
Which of the following is a high-capacity optical disc on which users can read but not write or erase? DVD-ROM
RFID is more secure than contactless smart cards. FALSE
A standard CD-ROM is called a single-session disc. Why are they called single-session discs? Manufacturers write all items on the disc at one time. You want a form of backup that copies all program and data files. Which of the following will you use? archival

backup
Which of the following is true of SSDs compared to traditional hard disks? SSDs have faster transfer rates. Which storage term used to measure capacity is approximately a billion bytes? gigabyte
Which of the following kinds of backup is another name for a full backup? archival
You are looking for a term that can be used to refer collectively to hard disks and SSDs inside a computer. Which of the following can you use? internal hard drives
What do discs, like the kind shown in the accompanying figure, usually measure? 4.75 inches in diameter and less than one-twentieth of an inch thick
Which of the following provides a myriad of financial reporting requirements and guidelines for public companies? Sarbanes-Oxley Act
When storage devices write data, instructions, and information on storage media, they are creating output. What best describes the process of writing data? transferring items from memory to a storage medium
Some personal computer manufacturers provide a hard disk configuration that connects multiple smaller disks into a

single unit that acts like a single large hard disk. What is this grouping called? RAID

Which of the following is NOT a common type of memory card? mx6

Which RAID level technique splits data, instructions, and information across multiple disks in the array? stripping

The inflexible, circular platters on which kind of disks use magnetic particles to store data, instructions, and information? hard

Before any data can be read from or written on a hard disk, what must happen to the disk? formatting

Which of the following devices is the computer hardware that records and/or retrieves items to and from a flash drive or external hard drive, for example? storage

Which of the following kinds of devices duplicates data, instructions, and information to improve data reliability? RAID

You are looking for a backup that copies only the files that have changes since the last full backup. Which of the following will you use? differential backup

A group of two or more integrated hard disks is referred to as which of the following? RAID

Which of the following storage devices typically stores the operating system? hard disks/SSDs

Which of the following interfaces sends several bits at once? parallel

How do discs, like the one in the accompanying figure, commonly store items? in a single track that spirals from the center of the disc to the edge of the disc

Which of the following is a type of backup you can only perform at your large enterprise? continuous

What is the term for the case that contains the same adapters found on a motherboard with which to connect the internal hard drive? enclosure

Which of the following can be used to store a prepaid amount of money, such as for student purchases on campus? smart cards

What does a controller control? the interface between the hard disk and the system bus

Which of the following consists of a special-purpose chip and electronic circuits that govern the transfer of data, instructions, and information from a

drive to and from the system bus and other components in the computer?
controller Which of the following is NOT true about caring for optical discs?
Moisten a nonabrasive cloth with warm water and ammonia to clean the disc.
The use of microfilm and microfiche provides all of the following advantages
EXCEPT ___ they can be read without a reader Which of the following storage
devices typically has the fastest transfer rate? RAM Users subscribe to a
cloud storage service, like the kind advertised in the accompanying figure, to
do all of the following EXCEPT to ___ make enterprises provide data center
functions Which of the following kinds of interfaces sends data one bit at a
time? serial Which of the following kinds of access refers to reading or writing
data consecutively? sequential Which of the following is made of aluminum,
glass, or ceramic and is coated with an alloy material that allows items to be
recorded magnetically on its surface? PLATTER Which of the following disc
types can be written onto, but not erased? CD-R Which of the following is not
a competing rewritable DVD format? DVD+R Which of the following is a
multisession optical disc on which users can write, but not erase, their own
items such as text, graphics, and audio? CD-R Which of the following is true
of tape? It is no longer used as a primary method of storage but is used most
often for long-term storage and backup. What is the usual rate of speed for
the platters in a hard disk? 5, 400 to 15, 000 rpm Which of the following is a
small, rectangular, plastic housing for tape? card carriage Which of the
following has a higher capacity and better quality than standard DVDs,
especially for high-definition audio and video? Blu-ray DVD Which of the
following is NOT a cloud storage provider that places a folder on your
computer with contents you can synchronize across multiple devices? Cloud
Driver Which of the following terms is the number of bytes (characters) a

storage medium can hold? capacity A DVD-ROM uses all of the following to achieve a higher storage capacity than a CD-ROM EXCEPT _____. making a single disc session Before any data can be read from or written on a hard disk, what must happen to the disk? formatting You want a form of backup that copies all program and data files. Which of the following will you use? archival backup Which of the following is NOT an advantage of external hard drives over internal hard drives? They can add storage space to a mobile computer. Which of the following is a type of optical disc that users can read from but not write to or erase? DVD-ROM