

BSIT 3-3 MORAN, MARK DICKER YU PLATFORM TECHNOLOGY FINALS QUIZ 3

1. WHAT ARE THE FACTORS RESULTING IN THE LOSS OF DATA EXPLAIN EACH IN YOUR OWN WORDS?

- Magnetic Delay** - It is believed that a magnetic charge has a propensity to lose its charge over time. This means that the magnetic charge does not remain steady over time, hence the term "decay." Basically, the magnetic charge may degrade over time, causing data loss.
- Coercivity** - To avoid both magnetic decay and magnetic leakage, the medium should be able to store charges sufficiently and efficiently.
- Magnetic Leakage** - When the polarity of adjacent bits is reversed, it simply indicates that the magnetic charges in both locations can be cancelled. As a result, data loss happens due to a leak in the magnetic field.
- Aerial Density** - Because magnetic decay and leakage are exactly proportional to magnetic charges, both will rise. If balance is not taken into account, data loss may result.
- Media Integrity** - Environmental variables have a vital role in preventing data loss. In order to create a dependable medium, it is best to assure integrity.

2. DESCRIBE 5 MAGNETIC STORAGE MEDIA USING THE FORMAT BELOW:

MAGNETIC STORAGE MEDIA	DESCRIPTION/SIZE/USE	MANUFACTURER	COST IN PHP	STRENGTH	WEAKNESSES
Floppy Disk	A floppy disk, often known as a floppy diskette, is a type of disk storage that consists of a thin, flexible disk of magnetic storage medium housed in a square or nearly square plastic casing lined with a fabric that keeps dust particles from getting into the spinning disk. It has 1.44 megabytes (MB) of the 3 1/2 inch.	Alan Shugart (IBM), Sony, Samsung	643.89PHP	Floppy disks are compact and relatively inexpensive. As a result, they are transportable.	It has low space capacity
Magnetic Tape	A system for storing digital information on magnetic tape via digital recording is known as magnetic-tape data storage. It has storage of 10 TB.	Sony	250 PHP per strip	It's best for backup and archiving.	When data is exposed to a strong magnetic field, it may be lost or corrupted.

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Magnetic Drum	Magnetic storage devices, comparable to random access memory (RAM) cards, were employed as the main working memory in many early computers. 10 KB storage	Jaykrishna Magnetix Pvt. Ltd. Single Drum Magnetic Separator Manufacturers and Suppliers – Jaykrishna Magnetix Pvt. Ltd.	1,044,628 PHP	The average magnetic intensity on the surface of the magnetic drum will be 1500-2000 Gauss.	The main disadvantage of a magnetic separator is that it must be constantly maintained. The magnetic separator should be washed or cleaned to remove accumulated magnetic materials, while oil should be added to moving parts.
Hard Drive	An electromechanical data storage device that uses magnetic storage and one or more rigid quickly rotating discs coated with magnetic material to store and retrieve digital data. More than 200 GB storage capacity	Seagate	2,610.43 PHP – 1 TB	Relatively cheap per unit of storage. Fast access and retrieval times compared to other storage devices.	Can be easily damaged, will slow down and eventually break over time. Slower access than Solid State Drives.
Zip Diskette	Iomega introduced the Zip drive in late 1994 as a removable floppy disk storage solution. At the time of its release, it was considered medium-to-high capacity. At first it has 100 MB capacity then it became 250 MB. Later on, it increases to 750 MB	Iomega	2600-10000 php	Larger storage space and quicker data transfer speeds.	Costly or Expensive

3. COMPARE AND CONTRAST THE DIFFERENT TYPES OF DISKETTES.

- The single-sided diskette, which can only store data on one side, was the first type of diskette to be launched in the 1970s. Because it can only store data on one side, it can only have a limited storage capacity. Then there's the double-sided diskette, which can now store data from both sides. That means its capacity has increased, and it can now carry 360K bytes of data. The last form of diskette is the Micro Floppy, which can hold 720K of data and is

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referred to as just DD. Micro Floppy can currently hold 1.44MB to 2.88MB of data, thanks to continued improvements in density.