

MRYUSUF.COM IGCSE ICT 0417 SECTION 3: STORAGE DEVICES PT1



Magnetic Tape
 Used to backup file servers
 Type of access = Serial/Sequential
 Magnetic Storage Medium
 Transfer of data is slow
 Very large amounts of data can be stored
 Not normally used by home users

Zip Disk
 Type of access = Direct/Random
 Magnetic Storage Medium
 Size = 100-750mb
 Not very popular these days
 Created to replace the Floppy Disk in capacity
 Can access data quicker than floppy
 Portable storage device

Jaz Disk
 Type of access = Direct/Random
 Magnetic Storage Medium
 Size = 1-2gb
 Not very popular these days
 Created to replace the Zip Disk in capacity
 Replaced by DVD which holds 4.7gb
 Can access data quicker than floppy
 Portable storage device

Floppy Disk
 Size = 1.44mb
 Type of access = Direct/Random
 Used to backup small files
 Not very popular, better alternatives available
 Data accessed slower than hard disk
 Magnetic Storage Medium
 Portable storage device
 Used to transfer viruses

Portable Hard Disk
 Type of access = Direct/Random
 Magnetic Storage Medium
 Size greater than 2 Terrabyte
 Very popular backup device
 Found OUTSIDE of the computer
 Used to store personal files like video/images
 Can access data quicker than floppy
 Holds large amounts of data
 Data can be read from and written to
 More reliable than floppy disks
Adv of... Can access data quicker than floppy
 Data can be read from any part of the disk
 Portable storage device
Disadv of... Fragile - should not be dropped
 Slows down when running out of disk space
 Used to transfer viruses

Fixed Hard Disk
 Type of access = Direct/Random
 Magnetic Storage Medium
 Size greater than 2 Terrabyte
 Very popular backup device
 Holds large amounts of data
 Data can be read from and written to
 More reliable than floppy disks
Adv of... Can access data quicker than Floppy/CD/DVD
 Data can be read from any part of the disk
 Fragile - should not be dropped
Disadv of... Slows down when running out of disk space
 Slower transfer rate than Solid State devices
 Not portable
 Found INSIDE of the computer
 Used to store OS files & personal files
 Most popular storage device

Backups
Backup devices... Optical CD/DVD/HD/Blue Ray
 Magnetic Floppy/Portable Hard Disk/Jaz/Zip/Tape
Definition of... A backup file is a copy of a file
 Kept in case anything happens to the original file
 Kept on an alternative medium away from computer
 In case the file(s) is lost or stolen
Why backup? In case it is deleted or changed accidentally
 In case of system malfunction
 In case the file is corrupted

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