

STORAGE DEVICES Worksheet 2

This is a continuation of the sheet “Storage Devices (1)” which concentrated on a general view of storage devices, magnetic tape in particular.

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1. Write a new heading Magnetic Disks
Read Section 5 Magnetic Disks - pg 38-42
Write a sub-heading General and answer these questions in full sentences:
 - Magnetic Disks are excellent direct access storage devices (DASDs). To store what?
 - Describe how a disk surface is divided up.
 - How can it be that the same amount of data is contained in the inside track as the outside one?Write a sub-heading Hard Disk Packs, Winchester, Floppy Disks
 - What are the two types of hard disk?
 - Give two major differences between these two types?
 - What does the capacity of a disk pack depend on?
 - Give 3 advantages and 3 disadvantages of magnetic disks.
 - What is a Winchester? What is it now usually called?
 - Draw the picture of a floppy disk (fg 3.7 pg 41)
Mark on the diagram: relief notches, write permit slot, index hole
 - What is the difference between a winchester and a floppy?
 - Give 2 advantages and 2 disadvantages of floppy disks.
 - Draw the picture of a diskette (fg 3.8 pg 42)
Mark on the diagram: write protect notch
 - Why is the 3.5” diskette becoming more widely used than the 5.25” floppy?

2. Read Section 6 Optical Storage Systems (pg 42-44)
Write a sub-heading Optical Disks, CD-Rom and answer these questions in full sentences.
 - How is information recorded on optical disc?
 - Give 3 advantages of using optical disc.
 - Describe 4 situations/ applications where optical disc could be used.

3. Write a sub-heading Laser Disc & Bubble Memory
 - What is a laser card?
 - Can information be written to/ and read from laser cards easily?
 - What might the advantages of developing laser cards be?
 - What is bubble memory?
 - This is still a ‘future development’ but why might it prove to be advantageous?