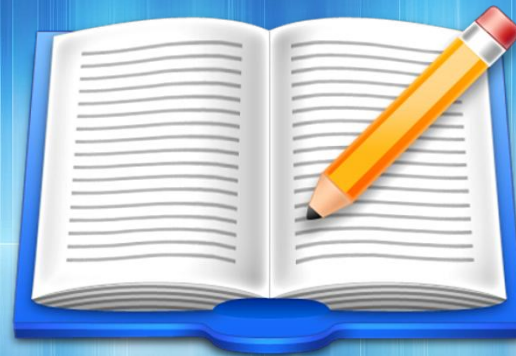


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COMPUTER HARDWARE

CHAPTER 2.2 - ANSWERS



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EXERCISE 1

■ Advantages:

- 1) We can store more data in a very small device (greater capacity)
- 2) The storage devices have high portability (easily transported)
- 3) They have a better design (more attractive and easy to use)

■ Disadvantages:

- 1) The huge capacity sometimes complicates the data searching
- 2) They can be lost or destroyed (because of their small sizes)
- 3) They will be more expensive than traditional storage media

EXERCISE 2

MAGNETIC	OPTICAL	ELECTRONIC
hard disk	CD-RW	mp3-player
external disk	CD-ROM	microSD card
floppy disk	DVD-ROM	SSD disk
zip drive	CD-R	SD card
magnetic tape		flash memory
		iPod

EXERCISE 3

- **Hardware** are all the mechanical parts of the computer system, all the things we can see and touch e.g. devices, components, cables etc. **Software** are all the programs and applications that are running in the computer as well as its files and folders.
- The **microprocessor** is also called **Central Processing Unit** or **CPU** and is considered to be the brain of the computer. It is the fastest component inside computer system and it is responsible to execute the instructions of any running application.
- The **main memory (RAM)** is a temporary storage that stores data and commands only for the programs that are running. It loses its data without power supply. It is accessed directly by the CPU and it has high access speed and small capacity.

EXERCISE 3

- The **secondary memory** is a permanent storage unit that stores all data and programs of computer, enabled or disabled applications. It retains data with or without power supply. It is not accessed directly by the CPU and it has low access speed but very big capacity.
- There are three **categories** of **storage media**:
 - a) magnetic
 - b) optical
 - c) electronic

EXERCISE 4

- Photos from summer holidays (external disk, flash USB, cd-Rom, memory stick, iPod)
- Sound files with your favorite songs (iPod, flash USB, external disk)
- Back-up files of your computer (external disk, dvd-rom)
- A project in PowerPoint of Computer Class (flash USB, hard disk)
- Your educational material (hard disk, external disk, flash USB)
- A video from your school trip (dvd-rom)