

COLLEGE OF ENGINEERING & TECHNOLOGY



Department : Computer Engineering
Course Title : Introduction to Computers
Course Code : CC111
Date : fall 2012

SHEET (3, 4)

Section One: Fill in the Blanks

- 1- A storage medium is _____ if it loses its content when the power is shut off.
- 2- A single-sided, single-layer DVD disc typically holds _____.
- 3- A(n) _____ looks similar to a credit card but contains a chip and other circuitry into which data can be stored.
- 4- Secure Digital (SD) cards are one type of _____ medium.
- 5- For rapid access, related data often are stored on the same _____, a collection of disk tracks that are in the same relative position on different surfaces of a disk pack.
- 6- The most common secondary storage devices are _____, _____, and _____.
- 7- The storage measuring units are _____, _____, and _____.
- 8- Secondary storage is used to store data for _____ time period.
- 9- The differences between a CD-ROM and a hard disk are _____, _____ and _____.
- 10- SCSI stands for _____.
- 11- RAID stands for _____.
- 12- WORM stands for _____.
- 13- DVD stands for _____.
- 14- With _____ software, pen-based PCs can convert handwritten text into editable, typed text.
- 15- A(n) _____ can be used to convert flat printed documents, such as a drawing or photograph, into digital form.
- 16- The smallest colorable area in an electronic image (such as a scanned document, digital photograph, or image displayed on a display screen) is called a(n) _____.
- 17- Portable PCs virtually always use _____ displays, while desktop PCs may use the larger, more bulky _____ monitors.
- 18- The term _____ generally refers to output that has been recorded onto a medium such as paper or film.
- 19- Resolution on a display screen is measured by the number of dots, or _____.
- 20- A(n) _____ printer heats ink from a dye-based or wax-based ribbon and deposits it into paper.
- 21- A(n) _____ is an electrical device, resembling an ordinary pen used to enter computer data.
- 22- A display device that generates input when you touch a finger to the screen is called a(n) _____.

23- A(n) _____ system, commonly found in department stores and supermarkets, uses electronic cash register terminals to collect, process, and store data.

Section Two: Choose the right answer/s

1- A concentric ring on a hard disk is referred to as a

- a. track
- b. sector
- c. table
- d. segment

2- A CD is an example of a(n)

- a. output device
- b. floppy disk
- c. optical disk
- d. hard disk

3- A 32-bit word computer can access _____ bytes at a time.

- a. 4
- b. 8
- c. 16
- d. 32

4- This type of memory improves processing by acting as a temporary high-speed holding area between the memory and the CPU.

- a. RAM
- b. ROM
- c. cache memory
- d. flash memory

5- Hardware used to translate words, sounds, images, and actions that people understand into a form that the system unit can process is known as

- a. input devices
- b. output devices
- c. device readers
- d. device drivers

6- The mouse _____ usually appears in the shape of an arrow.

- a. pointer
- b. marker
- c. indicator
- d. meter

7- This type of pointing device is located in the middle of the keyboard

- a. joystick
- b. pointing stick
- c. wireless
- d. light pen

8- This type of pointing device has crisscrossed invisible beams of infrared light that are protected with a clear plastic outer layer

- a. optical mouse
- b. light pen
- c. pointing stick
- d. touchscreen

9- A Universal Product Code is read by what type of scanner?

- a. bar code
- b. flatbed
- c. OCR
- d. MICR

Section Three: Mark the following as True or False (T/F)

- 1- A computer system with a C drive and a D drive must have two physical hard drives.
- 2- The smallest amount of space a file on a disk can take up is one cluster.
- 3- External hard drives typically connect via a flash memory reader.
- 4- A CD-R is a type of read only optical disc.
- 5- Most PCs today include a hard disk drive.
- 6- A keyboard is an example of a pointing device.
- 7- Most digital cameras store photos on conventional floppy disks.
- 8- UPC is a type of barcode.
- 9- Consumer kiosks located in retail stores commonly use touch screens for input.
- 10- An ink-jet printer normally produces a better image than a laser printer.

Section Four: Match

Match the terms in Column I to the definitions in Column II.

Column I	Column II	II	I
A. Disk cache B. DVD-ROM disc C. file D. flash memory card E. flash memory drive F. folder G. hard disk drive H. nonvolatile I. RAID J. Remote storage	1. A dedicated part of RAM used to store additional data adjacent to data retrieved during a disk fetch to improve system performance. 2. A named place on a storage medium into which files can be stored to keep the files stored on that medium organized. 3. An optical disc, usually holding 4.7 GB, that can be read from, but not written to, by the user. 4. A small drive that usually plugs into a PC's USB port and contains flash memory media. 5. A small, rectangular flash memory media, such as a compactflash or secure digital card. 6. A storage device that is not directly a part of the PC being used, such as network storage or online storage. 7. A storage method that uses several small hard disks in parallel to do the job of a larger disk.	1	
		2	
		3	
		4	
		5	
		6	
		7	
		8	
		9	

	<p>8. A storage system consisting of one or more metal magnetic disks permanently sealed with an access mechanism inside its drive.</p> <p>9. Describes a storage medium that retains its content when the power is shut off.</p> <p>10. Something stored on a storage medium, such as a program, document, or image.</p>	10	
Column I	Column II	II	I
A. Digital camera	1. a common pointing device that the user slides along a flat surface to move a pointer around the screen and clicks its buttons to make selections.	1	
B. Electronic pen		2	
C. Handwriting recognition	2. A device containing tiny chips and radio antennas that is attached to objects that will be identified using RFID technology.	3	
D. Laser printer		4	
E. Mouse	3. A display device that is touched with the finger to issue commands or otherwise generate input to the connected PC.	5	
F. Optical character recognition (OCR)		6	
G. OLED display	4. An input device that reads printed text and graphics and transfers them to a computer in digital form.	7	
H. RFID tag	5. An input device that is used to write electronically on the display screen; also called a stylus or digital pen.	8	
I. scanner		9	
J. touch screen	6. An input device that takes pictures and records them as digital data (instead of film or videotaped) images.	10	
	7. An output device that uses toner powder and technology similar to that of a photocopier to produce images on paper.		
	8. A type of flat-panel display that uses emissive organic material to display brighter and sharper images.		
	9. The ability of a device to identify handwritten characters.		
	10. 10. The ability of a scanning device to recognize handwritten or typed characters and convert them to electronic form as text, not images.		

Section Five:

For the following list of computer input and output devices, write the appropriate abbreviation (I) for input and (O) for output.

a. _____ Biomertic reader.

b. _____ Graphics tablet.

- c. _____ Speaker.
- d. _____ Photo printer.
- e. _____ Flat-panel display.
- f. _____ Digital camera.
- g. _____ Pointing stick.
- h. _____ Microphone.
- i. _____ OLED monitor.
- j. _____ Joystick

Section Six: Label the following figures:



