

Instructional Objectives for Mid-term Brief Evaluative Measure

After reviewing the on-line lecture notes posted at <http://pages.towson.edu/webster/111/111Lectures> and reading the chapters indicated below in your Shelly / Cashman textbook, you should be able to:

Chapter 1:

- Define and describe computer literacy.
- List the most widely used input and output devices.
- Define, describe, & differentiate between:
keyboard, mouse, digital camera, video camera, microphone, printer, monitor, scanner, speakers.
- Define and describe the term GIGO.
- Describe the characteristics associated with network servers.
 - Distinguish between those characteristics needed by network clients and network servers.
- List the reasons why users access the Internet.
- Define, describe, & differentiate between GUI and icons.

Chapter 2:

- State the 2 most widely used Internet services.
- Define, describe & differentiate between:
ARPANET, World Wide Web Consortium (W3C), & Internet2 (I2).
- List the characteristics and requirements needed for Fixed Wireless Internet Connections and Satellite Modems.
- Define, describe & differentiate between:
cable modem, DSL, dial-up connection, satellite connection.
- Define and describe a DNS server.
- Define, describe & differentiate between:
downloading, uploading, TIFF, BMP, JPEG, PNG, GIF, virtual reality, animation, streaming audio, streaming video.
- Define E-commerce, and Define, describe & differentiate between: B2C, C2C, & B2B
- List, define, describe & differentiate between the twelve basic types of web sites.
- List and describe the components of an internet e-mail address.
- Define, describe & differentiate between: e-mail, FTP, & instant messaging.
- Describe the characteristics and requirements for internet telephony.
- Define netiquette.
- Define, describe & differentiate between: emoticons, spam, flame, & FAQ.

Chapter 3:

- List the four categories of application software.
- Define, describe & differentiate between: Packaged software, Custom software, Open source software, Shareware, Freeware, & Public-domain software.
- Define, describe & differentiate between: a window and a dialog box.
- Define, describe & differentiate between the popular word processing features
(Macros, Tracking Changes, Mail Merge, Smart Tags, Templates, etc.)
- Define, describe & differentiate between: formatting, saving, editing, & printing.
- Define database. List the parts of a database.
- Define, describe & differentiate between: Word Processing Software, spreadsheet software, presentation graphics software, note-taking software, project management software, accounting software, CAD, desktop publishing software, & web page authoring software.

Chapter 4:

- Define Parallel Processing and describe its characteristics.
- List the 3 basic categories of items normally stored in Memory.
- Define, describe & differentiate between: bit, byte, kilobyte, megabyte, gigabyte, and terabyte.
- Define, describe and contrast volatile memory and nonvolatile memory.
- State the most common type of volatile memory.
- State the types of nonvolatile memory.
- Define and describe nanosecond.
- Define and describe Plug and Play.
- Define, describe, differentiate between, and list the characteristics associated with Firewire ports and USB ports.
- Define and describe motherboard.
- Define and describe the CPU.
 - List, define, and describe the components of the CPU.
 - List and describe the steps of the Machine Cycle.
- Define and describe the binary system.
- Define and describe registers.
- Describe the characteristics of RAM and ROM.
- Define and describe CMOS technology.

Chapter 5:

- Define, describe the characteristics of, and differentiate between
 - Optical mouse
 - Mechanical mouse
 - Trackball
 - Pointing stick
 - Touchpad
 - Digital Pen
 - Stylus
- State the primary input device required for a Tablet PC.
- Define Voice Recognition and describe its characteristics.
- Define and describe MIDI.
- Define and describe MICR.
- Define, describe, and give an example of POS (point-of-sale) terminal.
- Define, describe and differentiate between
 - Dumb terminals
 - Special-purpose terminals
 - Smart terminals
- Define biometrics
 - List 5 types of biometric input
 - State the most widely used biometric device used today.
- List and describe input options available for physically challenged users.
- Define video conferencing.
 - List the components required (hardware & software) for video conferencing.
- Compare and contrast PDAs and Smart Phones, and state the primary input device for each.
- Define pixel.
- Define and describe scanning.
- List the scanning and reading devices that capture data directly from a source document.