

COMPUTER SCIENCE 1ST SEMESTER STUDY GUIDE

Computer Vocabulary

Motherboard (system unit): the core of a computer system, is to connect and make connections

CPU - Central Processing Unit: the portion of a computer system that carries out instructions of a computer program

Mouse: a small device used to point to and select items on your computer screen

HDD-Hard Disc Drive (storage device): stores information on a hard disk; they usually serve as your computer's primary means of storage

Compact Disc-CD (storage device): uses lasers to read/retrieve data from a disk and many CD drives can write/read data on disks

DVD-Digital Video Drive (storage device): uses lasers to read/retrieve data from a disk and many DVD drives can write/read data on disks

Keyboard: is used mainly for typing text into your computer

Monitor: displays information in a visual form using text and graphics

Printer: transfers data from a computer onto paper; the two types of printers are inkjet and laser

Input: is anything that puts information inside a computer like a keyboard

Output: is anything that can display information like a monitor

ROM: Read Only Memory

RAM: Random Access Memory is temporary memory

NOTES ON SEARCH ENGINES AND INTERNET SECURITY

URL DOMAINS

.com=company

.gov=governmental website

.edu=educational institution

.org=organization

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SEARCHING STRATEGIES

Place quotations marks (“”) around specific words or phrases

Ex: “White House” rather than white house

Add a minus sign (-) before a word to show you don't want that one included.

Ex: search for mullet a fish but not the hairstyle..mullet–hair

Look for two words at once by placing OR between them.

Ex: Searching on Cornell but you are not sure whether it's a college or university...Cornell College **OR** University

If you enter **AND** between two words then your search will only yield documents that contain both words, narrowing your search.

Ex: If you enter **goldfish AND guppies** then your search will yield only documents with both words.

Phishing is the attempt to obtain sensitive information such as usernames, passwords, and credit card details (and, indirectly, money), often for malicious reasons, by disguising as a trustworthy entity in an electronic communication.

Malware, or malicious software, is any program or file that is harmful to a computer user. Malware includes computer viruses, worms, Trojan horses and spyware.

Movie Maker Review

Area where imported files are viewed: **Collection Pane**

A/An **Time-line** view area shows the timing, slide overlays, and arrangement of files or clips that make up a project.

An/ **Audio** is a sound file.

An/ **Clip** is a small part of a larger audio or video file.

The **Effects** are the movements on the clips.

An/A **Video** is a sequence of stills or moving images representing scenes in motion.

The **Credits** acknowledges who worked on the video content.

Examples of **File Extensions** are .jpg .wma .avi .gif .wav.

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Importing is the process of bringing in the pictures, video and audio files into Movie Maker.

The **Storyboard Pane** is the view of workspace that displays the sequence of your clips, effects and transitions.

The **Title Overlay** is words placed on the video or picture clip.

Microphones are used to record an audio file, an example is a .wav file.

Windows Movie-Maker is one piece of software for importing, editing and arranging audio, video and image source materials to create movies.

An example of an audio file is a **.WAV, .MP3**.

An example of a picture file is a **.JPG, GIF, JPEG**.

An example of a video file is a **.AVI, MPG, .MOV**

Crop to trim a picture by deleting part of the picture.

An/A **Transition** is the movement from clip to clip.

Trim is to hide part of a file or clip without deleting them from the original source.

Drag and Drop is pressing, and holding down, button on the mouse or other pointing device, to “grab” the object; “drag” the object/cursor/pointing device to the desired location, “dropping” the object by releasing the button.

SHORTCUTS

Ctrl + X = Cut

Ctrl +V = Paste

Ctrl + C = Copy

Ctrl + N = New File

Ctrl + A = Select All

Ctrl + Z = Undo

Ctrl + B = Bold

Ctrl + S = Save

Ctrl + I = Italicize

Ctrl + U = Underline