INSTITUTO SUPERIOR TECNOLOGICO PARTICULAR

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TECHNICAL ENGLISH I FOR COMPUTING FIRST SEMESTER

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UNIT ONE

1.1 SUBJECTS PRONOUNS

SUBJECT PRONOUNS a pronoun	refers to a noun;	it is used instead	of a noun
. These subject pronouns are used a	s a subject.		

I YOU HE SHE IT WE YOU THEY				
	I YOU HE	SHE IT	WE	YOU THEY

Example:

- a) Julian uses the printer every Friday -----> He uses the same printer
- b) The disk drive reads the information----> It writes the information too

Exercise 1: In Class: With the following sentences, replace the names by the subject pronoun.

2. Patricio	o and Estrella move the hard disks to the laboratory.	
3. Mario a	and I fix the power source.	
4. Linda i	inserts the cd into the drive.	
5. Michae	el uses the scanner to copy images.	
The scanr	ner and the mouse are input devices.	
Speakers	are connected to the ports of the mainboard.	
Exercise	2: In Class: Read this:	

Exercise 3: In Class: Label the components of this computer system:

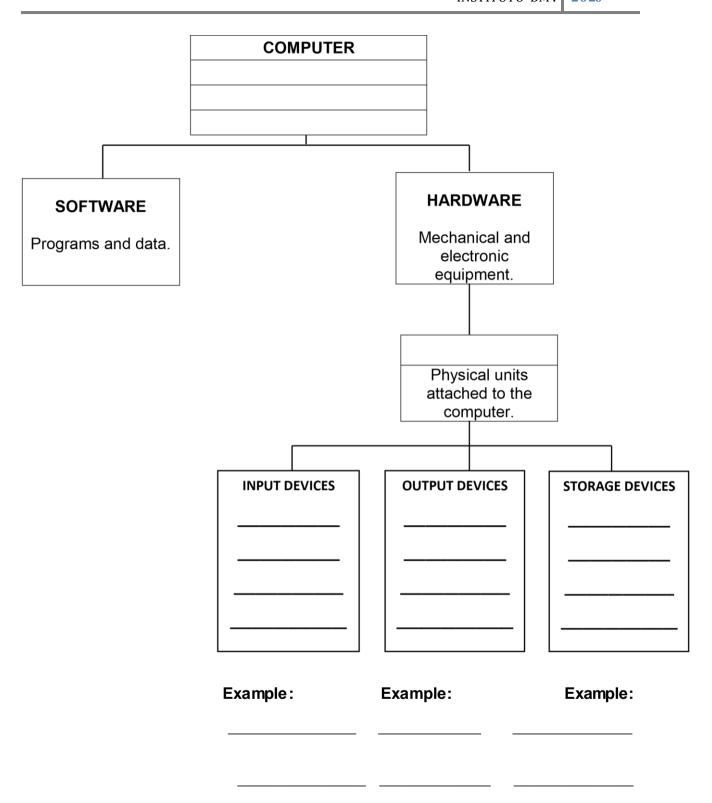


Exercise 4: In Class: Reads this about peripherals and translate.

The peripherals are the physical (hardware) units attached to the computer, the include storage devices, input and output devices.
Devices are designed to help the user with the manual description and / or registration of the data to be used for subsequent computer processing. We have three kinds of devices:
Input Devices Is a peripheral which enables information to be fed into the computer. The most commonly used input device is a keyboard, similar to a typewriter keyboard.

Output Devices .- Is a peripheral which enables information to be brought out the computer. The most commonly used output device is a specially adapted television known as a monitor.

Exercise 5: In Class: Label this diagram with the correct terms:



1.2.- THE SIMPLE PRESENT TENSE

The simple present tense expresses a habit or a routine. Expresses activities we do every day.

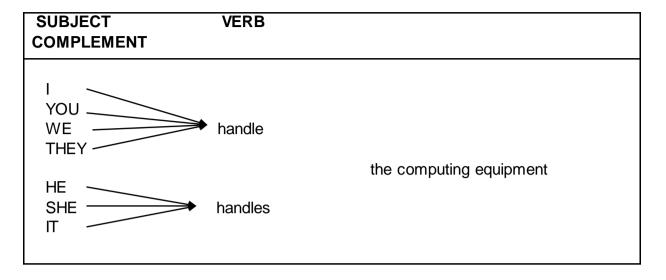
- a.- The systems analyst fixes the printer.
- b.- The computer engineer doesn't format the hard disk.

To Remember: When we accomplish sentences in simple present tense, we should remember that only for the thirds persons the verbs change:

Verbs ending in:	Add	Example	Third Persons
Ch, sh, o, x, ss	"es"	Watch Wash Go Mix Miss	Watches Washes Goes Mixes Misses
Υ	Change the "y" for "ies"	сору	copies
Verbs ending in "Y" that before is a vocal.	"s"	play buy	plays buys

> AFFIRMATIVE SENTENCES.

+ V + C Sentences structure: S



Exercise 6: In Class: Complete using the simple present tense. Affirmative Sentences:

- a) The assistant (help) _____the secretary.
- b) The computer and the printer (allow)______ you to do many things.
- c) "Esc" (mean) _____ escape, and it (work) _____ by pressing
- and (show) _____ other options.
- d) The systems programmer and I (connect) the printer.
- e) Cathy, John and Mike (introduce) _____ the data into the computer.
- f) Mrs. Bruster (replace) _____ the information.
- g) Many students (fix)_____the CPU.
- h) Caroline (configure) _____ the control panel.

NEGATIVE SENTENCES.

Sentences structure: S + (AUX + NEG) + V + C

SUBJECT AUX+NEG		VERB	COMPLEMENT
WE //YOU	don't		
THEY HE SHE IT	→ doesn't	restore	the files

Exercise 7: In Class: Complete using the simple present tense. Negative Sentences:

- a) The disk drive functions bad, it (don't doesn't) record the content of the disk.
- b) The students (don't doesn't) _____explain me the difference between Unix and Linux.
- c) This office (don't doesn't)____have a complete computer equipment.
- d) A mouse (don't doesn't) cost \$4,00.
- e) The tv and dvd (don't doesn't) help like a computer.
- f) This program (don't doesn't) find the solution.
- g) The monitor (don't doesn't)_____ show the data.
- h) Charles (don't doesn't)_____ compile the program of correct form.

AFFIRMATIVE QUESTIONS.

Sentences structure: AUX + S + V + C + ?

AUX ?	SUBJECT	VERB	COMPLEMENT	
DO DOES SHE IT	YOU WE THEY	Install	the mainboard ?	

Exercise 8: In Class: Change the next sentences to Affirmative Questions:

a) Emil edits a letter to Maricela.

b) David and Mary restore the information.

- c) The senior programmer analyzes the new system.
- - d) The scanner copies the image.
- e) John and I save the information in the dvd.
- - f) The students go to the computing laboratory.

g) Karla moves the CPU to the computing room.

NEGATIVE QUESTIONS.

Sentences structure: (AUX + NOT) + S + V + C +

AUX ?	SUBJECT	VERB	COMPLEMENT	
DON'T THEY DOESN'T SHE	YOU WE plug HE	the cables	; ?	

Exercise 9: In Class: Change the next sentences to Negative Questions:

- a) Eva buys a Machintosh.
- b) The laser printer costs \$90.
- c) Attribute helps in changing the characteristics of a file.
- d) The DTK-Centres sells parts of computers.
- e) Disk makes to function the computer.
- f) The microprocessor Pentium IV operates at 1.73 Ghz.

g) Page Maker 3.0 comes with its own run-time version.

SHORT ANSWERS.

Sentences structure:

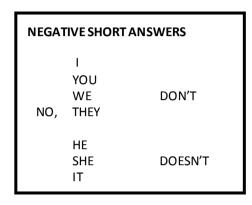
Affirmative short answer: Yes, S + Aux

Negative short answer:

No, S + (Aux + NEG)

AFFIRMATIVE SHORT ANSWERS

1 YOU DO YES, THEY HE SHE DOES



Exercise 10: In Class: Answer the following questions (Affirmative and Negative short answers.)

a) Does the program insert the numbers?

Yes, _____ No, _____

b) Does the motherboard have a clock?

Yes, _____ No, _____

c) Do our instruments control libraries?

Yes, _____ No, _____

d) Do you introduce a new driver library?

Yes, _____ No, _____

e) Do they select the equipment?

Yes, ______ No, _____

f) Does the modem transfer the data?

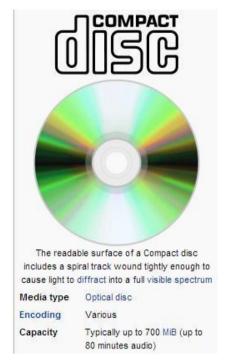
		Ye	es, No),
	g)	Do	oes the application convert the information	?
		Ye IN	es, N	o, R S.
			mation Words: Why, Where, Who, When, V cture: INF. WORD + AUX + NOUN + V + C	
		WI	nples: /hy Do You unplug the keyboard? ecause it is damaged.	
	2.		ow much Does A mouse cost? cost \$ 4.	
Ex	erc	ise	e 11: In Class: Make an information questi	ons with the following sentences:
		a)) They program this for the company every	/ Monday afternoon.
		b)) Anne works in Machala.	
		c)) The power source transforms the energy	
		d)) I have a personal business computer.	
		e)) I use the enter key to do many things.	
		f)	The peripheral comes with drivers.	
		g)) Mr. Wilson visits the factory every Friday	s.

>

1.3.- LEARNING ABOUT COMPACT DISK.

The **compact disc**, or **CD** for short, is an <u>optical disc</u> used to store <u>digital data</u>. The format was originally developed to store and play back sound recordings only (<u>CD-Digital Audio</u>), but was later adapted for storage of data (<u>CD-Read Only Memory</u>). Several other formats were further derived from these, including write-once audio and data storage (<u>CD-Recordable</u>), rewritable media (<u>CDRW</u>), Video Compact Disc (<u>VCD</u>), Super Video Compact Disc (<u>SVCD</u>), <u>Photo CD</u>, PictureCD, <u>CD-i</u>, and <u>Enhanced Music CD</u>. Audio CDs and audio <u>CD players</u> have been commercially available since October 1982.

Standard CDs have a diameter of 120 millimetres (4.7 in) and can hold up to 80 minutes of uncompressed audio or 700 MB (actually about 703 MB or 737 MB) of data. The Mini CD has various diameters ranging from 60 to 80 millimetres (2.4 to 3.1 in); they are sometimes used for CD singles, storing up to 24 minutes of audio or delivering device drivers.



At the time of the technology's introduction it had more capacity than computer <u>hard drives</u> common at the time. The reverse is now true, with hard drives far exceeding the capacity of CDs.

In 2004, worldwide sales of CD audio, CD-ROM, and CD-R reached about 30 billion discs. By 2007, 200 billion CDs had been sold worldwide. Compact discs are increasingly being replaced or supplemented by other forms of digital distribution and storage, such as downloading and <u>flash drives</u>, with audio CD sales dropping nearly 50% from their peak in 2000. **HISTORY**

The Compact Disc is an evolution of <u>LaserDisc</u> technology. Prototypes were developed by <u>Philips</u> and <u>Sony</u> independently from the mid-to-late 1970s. The two companies then collaborated to produce a standard format and related player technology which was made commercially available in 1982.

REMEMBER YOU: You should always place labels on the front of the cover, store compact disk in a safe place, away from dust, moisture, magnetism and extreme temperatures. Be sure you label each disk you use, since the labels help you to identify what files are on the disk and remind you that the disk has information stored on it.

> When you use a compact disk, you must.



> When you use a compact disk, you must not.



Exercise 12: In Class: Make a list with the things you must or mustn't do with compact disk.

Do					
				_	
Don't					
				HARD DI	SKS
In addition to cds, c than a cd. Compute on a cd. A hard disl	ers also take	less time to	find inforn	nation stored or	
When you store app a backup copy of information on the h	the progra	ms on a c	d, dvd, fla	ash memory d	•
The format comma	ınd: Before v	you can use	you new	disk for storing	information, you

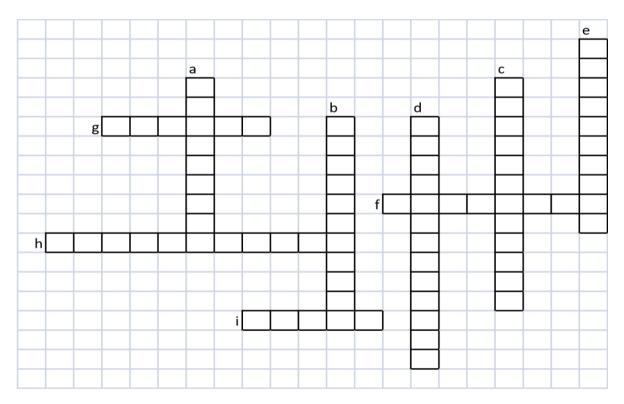
must format them. You do this with the format command, a special program that structures a disk so that ms-dos can find information on it. The format command also checks the disk for defective spots.

		INSTITUTO BMV	2017
You can format both: flash blank, formatting it destroys	-		a disk is not
warm, rommaming it doon by	any data ambady on the		
			 Exercis
13: In Class: Answer the qu	uestions about the read		/
a. Where is usually a h	nard disk?		

c. Does format command destroys any data on the disk?

______ Exercise 14:

In Class: Complete the crossword puzzle. Write the words.



DOWN (**↓**)

- a) They electronic machines which can accept data in a certain form
- b) Is a peripheral which enables information to be fed into the computer
- c) Is a peripheral which enables information to be brought out the computer
- d) Is a peripheral used for the permanent storage of information
- e) It is a flexible plastic disk

CROSS (→)

- f) They can store much more information than a CD
- g) A special program that structures a disk
- **h)** It transforms the energy of the computer
- i) They help you to identify what files are on the disk.

1.4 OTHER PERIPHERALS READINGS.

1.4.1 HOW A MOUSE WORKS

A mouse is a hard					
manipulate data w	ithout compli	cated comm	nands. The	mouse or	mice was
invented by Dougla	is Englebart ii	n 1963. The	mouse was	originally	referred to
as an X-Y position	indicator for a	display syst	tem.		
,		, , ,			

The optical mechanical mouse's operation is simple. The mouse movement is tracked by four parts. As the mouse is moved the ball rolls in the direction of the movement which in turn moves the roller (X or Y axis). As the roller begins to rotate so does the chopper / gear. The gear has small notches around the edges of it, as it rotates light shines through the openings which is then detected by the two light sensors which then sends the computer a signal of that movement. The offset of the light received by the two light sensors determines the direction of each axis.



							_
			-				-
Two choppers a ocated.	and or Gea	rs: represer	nt the axis	x and y of	where the	e cursor is	
The mouse ball the mouse which cursor on the sc	h moves the	•					
The four pin in	torfood oab	lo connecti	lon, which	is whore	the inform		onoforro
The four pin interior in the mouse			on: which	is where	the inform		ansterred

Exercise 15: In Class: Answer the questions about the reading.

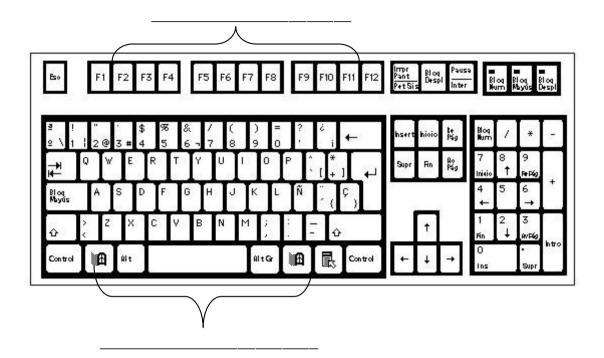
b)	Who invented the mouse?
c)	Which parts track the mouse?
d)	Does the mouse refer to as an X-Y position indicator?
1.4.2 STA	NDARD PC KEYBOARD
looks much alphabet, s purpose ke format, wh	ard is divided into three sections. The middle section, which is the largest, the like a standard typewriter keyboard. It contains all the letters of the standard punctuation symbols, the numbers 0 through 9, and several special eys. The arrangement of the keys in this section is referred to as a QWERTY ich comes from the order of the first six keys in the second row. Most data omputer from this middle section of the keyboard.

The two rows of keys on the left are called special function keys (or just function keys). On some keyboards, the function keys are located across the top, just above the

a) What the mouse allows?

number keys of the middle section. Unlike the keys from the middle section, what happens when you press a function key depends on what software you are running. Software consists of the programs that control the operation of the microcomputer. The operation of the function keys differs from one program to the next.
On the right side of the keyboard is the numeric keypad. The keys in this section are arranged like those on a calculator and are designed to speed the entry of numeric data. The NUM LOCK (number lock) key, when pressed, toggles the numeric keypad between the number mode and the cursor control arrow mode.
of the special purpose keys (lns, Del, Ctrl, and so on) will be if data have previously been saved of a secondary storage device such as a CD or flash memory, then this data can serve as input to the computer.

Exercise 16: In Class: Label the sections of the keyboard.



UNIT TWO

2.1 THE PREPOSITIONS

Group of word often placed before a noun or pronoun to indicated place, direction, method, etc.

In English the prepositions are used in many forms, many times they are idiomatic, and frequently results very difficult to choose the one which agrees after verbs and adjectives, furthermore a word used as a preposition can be used also like an adverb with a different meaning.

> Prepositions of place

 On .- means generally that something touches a foreign surface, but its use is not limited only to horizontal surfaces.



It's a books on the table

o **In .-** indicates that a thing is enclosed in other.



The printer is in the laboratory

o At .- is used to indicated: the hour, distance, situation



The institute opens at 8h00

Gardenia it's at 45 miles from Sta. Rosa

- > Prepositions of Time
 - o In, On

in 1847

in February Thomas Alva Edison was born on February 11

on February 11, 1847

Note: use IN for year and month; use ON for days and dates. Don't use an article (the) with years, months, days or dates

At, From, For

at 10:00

Carol fixed the computer from 10:00 to 11:00

for an hour

Also you can say:

AT noon, midnight, night....

IN the morning, the afternoon, the evening...

Monday, Tuesday,...., weekdays, weekends ON

Since, For

Since .- is used to indicated when the activity begin. For .- is used to indicated the total duration of the action.

I've been waiting since two o'clock/ since yesterday I've been waiting for twenty minutes/ for three days.

Other Prepositions

After



The folders are one after the other

He fixed the motherboard after six.

Before





Before him is the printer

То





I go to the school

He sends a letter to his mother

Until



The students programmed the system until the end of classes

Exercise 17: In Class: Complete the next paragraph with prepositions

When Jhon arrived to computing laborate	ory, he located the mainbo	oard the
case, then he installed the microprocessor _	the mainboard.	9:00 he
copied the files, so he restored the data	_ 9:0010:30	_the morning
he plugged the cables of the power source.	Monday, he is going	g to configure
the BIOS SETUP.		