



U.S.T.H.B / C.E.I.L.
Computer Science Department
First Semester English Exam

Third Year

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Time: 3 hours

Name/Surname: KHITER Mohamed Achraf. Identification N°: 171731032520.	Section: B. Group:03.
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P.s: No aids are allowed

PART ONE: Writing a three paragraphs essay

Choose two different devices for the disabled (impaired people), describe their features and functions and compare them to those used by unimpaired people.

Your essay must include the following: (answers with **red color** are included in the essay)

- Words and constructions showing: equivalence and non-equivalence.

Like, as much intelligent **as**, the same hearing **as**, compared to the first, the same frequency **as**, both, not as many **as**, less expensive **than**,

- Comparatives and superlatives.

less expensive **than**, the most popular, the easiest, better than , the cheapest, less practical than

- Four quantifiers: **a few**, **some**, **any**, **plenty** of
- A sentence showing cause-effect relationship:

- 1- firstly we chose to talk about the JAWS device **because** it has a big positive impact among the community of sightless people.

2- **so if** people with impaired hearing use this device all the time they could, **they will** have the same hearing as normal people

- Three simple sentences.

1- they are personal technologies.

2- we will make a little comparison

3- They help users hear and understand voices

4- say both of them have its own characteristics.

..... and so many others.

The essay:

a few days in the past there was some simple assistive technologies for impaired people but they were not as much intelligent as today's technologies ,Some examples of assistive technologies are: Mobility aids, like: wheelchairs, scooters... . prosthetic devices, and orthotic devices. Hearing aids to help people hear or hear more clearly. the good news is that they are now less expensive than the past

firstly, we chose to talk about the JAWS device because it has a big positive impact among the community of sightless people, So These assistive technologie are example of software/**devices** that can help those who are blind or visually impaired read printed material or surf the web. JAWS stands for (Job Access With Speech) is a popular screen reader. JAWS works with any version of Windows operating system . JAWS provides speech and braille output for the most popular computer applications on your PC, it helps Scan and read all of your documents, including PDF. Fill out web forms with the easiest way possible also to Save plenty of time with Skim Reading and Text Analyzer. Then we move to our second assistive technologie which is Assistive listening devices or ALDs, that are the most popular hearing aid accessories. They help users hear and understand voices better than they could with just hearing aids, they are personal technologies that can help you communicate in one-to-one conversations. They are hand-held amplifiers with microphones that bring the sound you wish to hear closer to your ears. These small devices capture the sound you want to hear and may filter some background noise, in addition to precising Directionality, they work for the suppression of useless Feedback and wind. so if people with impaired hearing use this device all the time they could, they will have the same hearing as normal people.

finally we will make a little comparison between these technologies which are more developed and easier to use than unimpaired (Non-disabled)people's devices . This last one are the cheapest and less practical compared to the first , that's why they are not used the same frequency as the assistive devices . but we can say both of them have its own characteristics and benefits in their specific domain with specific slice of society.

PART TWO:

1- In your essay underline 6 different parts of speech and name them.

noun/pronoun : the past, they

verb : is, chose

adjective : little, good

preposition : between , for

Articles and Determiners: which , that

and conjunction: and, but, with

2- Complete the sentences with words from the box. Make any necessary changes on the words:

Miniaturize – able – environment – facility – acoustic – create – navigate – inform

- a. The tactile vest display can be used as a **minutire** aid outdoors.
- b. Wearable systems **facilitate** the user's **navigation** to perform daily tasks.
- c. Assistive devices provide **environmental** and tactile feedback to compensate for visual **informations**.
- d. The **creation** of actuators and electronics has allowed the **ability** of new devices and systems that can be embedded into clothing.
- e. Blind people rely on hearing **acoustic** cues for key tasks.

3- In your own words, write:

a- A compound sentence:

- 1- A man may die, nations may rise and fall, but an idea lives on.
- 2- My little sister Achwak doesn't like cartoons because they are loud, so she doesn't watch them.

b- A complex sentence:

- 1- Because I had to catch the train, and as we were short on time, I forgot to bring my personal laptop to the university.
- 2- Although the Titanic movie 1997 was very long, it was still enjoyable.

4- Fill the gaps with the right preposition:

The vertical mouse is one of the most unique types **1 of** mice. You can get **2 for** 20 dollars and allow your wrist to relax. How is that possible? **3 when** using a normal mouse, you place your arm **4 in** a flat position leading your wrist to rest **5 on** its under side which may cause damage **6 on** the nerves of the area. However, using this new technology allows you to move your hand **7 over** the surface easily and rest your entire arm **8 on** the desk **9 in** a very natural position and keeps it still **10 for** all times while moving your cursor **11 into** the screen. This way your arms won't become strained **12 by** pivoting **13 in** a prolonged period of time. This mouse has a very comfortable design; especially **14 on** thumb and index, that direct your entire arm **15 to** a handshake posture as you hold **16 on** the mouse.