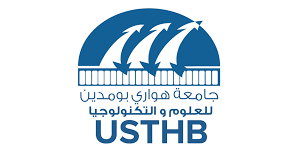
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**U.S.T.H.B / C.E.I.L.   
Computer Science Department**

**First Semester English Exam**

**Third Year March, 2021**

**Time: 3 hours**

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| Name/Surname: MENDIL Mustapha Abderaouf Section:ISIL A  Identification N°: 181832004354 Group:2 |

***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:**

* Words and constructions showing: equivalence and non-equivalence.
* Comparatives and superlatives.
* Four quantifiers.
* A sentence showing cause-effect relationship.
* Three simple sentences.

ESSAY:

The history of personal computers is inevitably linked to [input and output devices](https://en.wikipedia.org/wiki/Input_device). through the times many ways to enter or extract your data were invented specifically to aid the human-computer interaction HCI such as Keyboards and mice , yet we cannot ignore that humans are not all the same . some are not as limited as others by disabilities and for those in order improve their lives and assure they are on an equal foot with an unimpaired individuals. Assistive devices were made such as footmouses for normal mice ,Braille keyboards for keyboards noun

First, footmouse are devices that enable the user to move the cursor, and click mouse buttons with their feet. It is more used who has limited or no use in their upper arms as it helps them to navigate verb through software programs, and select things the same way as a conventional  mouse that is used by unimpaired ones,nevertheless The only difference between them is that the normal mouse is easier to master and control use than the other one in terms of controlling its movements Adjective.

Second ,there is the braille keyboard that is often used by blind people.it is the best device that allows the user to enter texts and instructions to the computer easily, by touching and identifying each key, thanks to the braille symbols on the surface of the keyboard. While normal keyboard they lack these features and characteristics and the usability is the same which is admirable for those disabled people Luckily, technology innovations continually progress, and alongside the advancements are a lot of unique assistive devices to give those special humans that helping hand to acquire a sense of freedom Adjective Verb noun they lacked before.

**PART TWO:**

1. **In your essay underline 6 different parts of speech and name them.**
2. **Complete the sentences with words from the box. Make any necessary changes on the words:**

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

1. The tactile vest display can be used as a navigational aid outdoors.
2. Wearable systems facilitate the user’s ability to perform daily tasks.
3. Assistive devices provide acoustical and tactile feedback to compensate for visual information.
4. The Miniaturization of actuators and electronics has allowed the Creation of new devices and systems that can be embedded into clothing.
5. Blind people rely on hearing environmental cues for key tasks.
6. **In your own words, write:**
7. A compound sentence.

- Everyone was busy, so I went to cry alone.

1. A complex sentence.

- Although you are considered merciful , you enjoyed torturing us .

1. **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\_\_by\_\_\_ using a normal mouse, you place your arm 4\_\_at\_\_ a flat position leading your wrist to rest 5\_\_\_on\_\_ its under side which may cause damage 6\_\_\_within\_\_\_ the nerves of the area. However, using this new technology allows you to move your hand 7\_across\_ the surface easily and rest your entire arm 8\_\_\_onto\_\_\_ the desk 9\_\_\_with \_ a very natural position and keeps it still 10\_\_at\_\_\_ all times while moving your cursor 11\_\_\_over\_\_ the screen. This way your arms won’t become strained 12\_\_after\_\_ pivoting 13\_\_for\_\_ a prolonged period of time. This mouse has a very comfortable design; especially 14\_\_the\_\_\_ thumb and index, that direct your entire arm 15\_\_into \_\_ a handshake posture as you hold 16\_\_on\_\_ the mouse.