**Mrs ABDELLAOUI Amaria 2023/2024**

**Technical English**

**TD n°: 02**

1. **Choose the correct word in the following sentences:**

1- **(Transistors/inductors)** are the key component in electronics.

2- They consist of three layers of silicon **(semiconductor/superconductor)**

3-All **(electronic/electrical)** systems consist of input, a processor and output. and usually memory.

4- The input **(receives/resists)** and converts information while the output converts and supplies electronically processed information.

5- The memory may not be present in simple systems. but its function is the

**(storage/transmission)** of information for the processor.

6- Continual developments in electronics give us increased **(reliability/recovery)** in electronic devices.

7- Electronic equipment controls **(microprocessors/microwaves)** in,for example: weapons systems, cellular radiotelephone systems and domestic appliances.

8- Electronic devices have improved our lives by providing high quality

**(communication/combination)** and entertainment.

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1. **Complete the text about electronics by choosing a word from the box:**

Diodes -semiconductor - electrons - devices - germanium - transistors - integrated circuits - capacitors - silicon - integrated - resistors.

Electronic circuits are built from basic components. **...................** are the most important components. They can be used to amplify the strength of a signal by converting a weak signal into a stronger one or to switch other circuits on or off.  **....................** reduce the flow of **.........................** through the circuit, adding resistance to that circuit**. .....................** function as electronic valves allowing current to flow in only one direction**. ..........................** store electricity in order to smooth the flow. They can be charged and discharged. The two most common capacitors are ceramic and electrolytic.

Most electronic devices use **..........................** (IC) or microchips. Inside an IC is a very small piece of **...........................** with circuits built in. Today, semiconductors are usually made of **.........................** which is cheaper and easier to manufacture than **...........................** **.**

Researchers are constantly trying to reduce the size of transistors in.order to reduce the size of **...............................**

Electronic circuits are built from basic components. **Transistors** are the most important components. They can be used to amplify the strength of a signal by converting a weak signal into a stronger one or to switch other circuits on or off.  **Resistors** reduce the flow of **electrons** through the circuit, adding resistance to that circuit**. Diodes** function as electronic valves allowing current to flow in only one direction**. Capacitors** store electricity in order to smooth the flow. They can be charged and discharged. The two most common capacitors are ceramic and electrolytic.

Most electronic devices use **integrated circuits** (IC) or microchips. Inside an IC is a very small piece of **semiconductor** with circuits built in. Today, semiconductors are usually made of **silicon** which is cheaper and easier to manufacture than **germanium** **.**

Researchers are constantly trying to reduce the size of transistors in.order to reduce the size of **devices.**