

L'ARBI BEN MHIDI UNIVERSITY – OEB
Institute of Technology and Applied Sciences – Ain Mlila –
Departement of Network and telecommunication

English exam correction

Task 1 :

Say whether the following sentences are **True** or **False** : (7pts)

1. An ampere is the base unit of electric current : **True (1pt)**
2. Electrons are a unit of measurement : **False (1pt)**
3. A circuit allows electricity to flow through a system of conductors : **True (1pt)**
4. Resistance measures how much an object opposes electric current : **True (1pt)**
5. Volt is the unit of electrical resistance : **False (1pt)**
6. Charge is the property that gives objects positive or negative force : **True (1pt)**
7. A wire made of plastic is a good conductor : **False (1pt)**

Task 2 :

Fill in the blank with the correct word from the list below : (7pts)

(Vacuum tube, Silicon, Electronics, Microprocessor, Transistor, Hi-fi, Integrated circuit)

1. Chemical element widely used in the manufacture of semiconductors : **Silicon (1pt)**
2. It was more common before the invention of more modern semiconductor devices also known as a thermionic valve : **Vacuum tube (1pt)**
3. Semiconductor component with three electrodes, used for switching or amplifying an electronic signal : **Transistor (1pt)**
4. The science and technology of electrons and electronic devices : **Electronics (1pt)**
5. An IC chip at the center of a computer that controls the system and processes data : **Microprocessor (1pt)**

6. High quality sound reproduction which is true to the original sound : **Hi-fi (1pt)**
7. Electronic circuit containing many components on a single silicon chip : **Integrated circuit (1pt)**

Task 3 :

Write a short paragraph about an electronic device, answering the following questions : **(6pts)**

- What type of machine is it ? **(2pts)**
- What is its main function or purpose ? **(1PT)**
- What can it do or what tasks can it perform ? **(1pt)**
- What technology or principle does it rely on ? **(1pt)**
- What is its architecture ? **(1pt)**

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Good luck