**Name……………………………………………..……… Adm. No………..………………..**

**Date ………………………………………..................... Class: ……………………………..**

**FORM ONE**

**END OF TERM EXAMS**

**COMPUTER STUDIES**

**Instructions to candidates**

***Answer all questions.***

***All answers must be written in English.***

***Drawings to be drawn using a pencil.***

**for examiners use only**

|  |  |
| --- | --- |
| **MAXIMUM SCORE** | **CANDIDATE’S SCORE** |
| **80** |  |

1. **a. Define the following terms as used in ICT. (4 Marks)**
2. **Data.**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **Data processing**

**……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..**

1. **Information**

**……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..**

**b. Clearly illustrate the two types of system units. (4 Marks)**

1. **a. Give three characteristics of First Generation Computers. (3 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**b. complete the table below about the mechanical tools that were considered to be the earliest computers. (5 Marks)**

|  |  |  |
| --- | --- | --- |
| **Tool** | **Application area** | **developer** |
| **Abacus** | **…………………………….** | **……………………………….** |
| **Napier Borne** | **………………………………** | **……………………………..** |
| **Analytical Engine** | **……………………………….** | **Charles Babbage** |

1. **State the technology used in each of the following computers. (5 Marks)**
2. **1st Generation Computers**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **2nd Generation Computers**

**……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..**

1. **3rd Generation Computers**

**……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..**

1. **4th Generation Computers**

**……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..**

1. **5th Generation Computers**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **List the different types of computers when classified according to the following.**
2. **According to physical size. (4 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **According to functionality. (3 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **According to purpose. (2 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **Study the keyboard below and use it to answer questions. (5 marks)**



A

B

C

D

E

1. **Name the type of keys labeled**

**A: …………………………………………………………………………**

**B: ………………………………………………………………………….**

**C: …………………………………………………………………………**

**E: …………………………………………………………………………**

**F: …………………………………………………………………………**

1. **Mention three types of keyboards that may be used to enter data into a computer. (3 Marks)**

**……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..**

1. **Name the following types of mouse. (3 Marks)**



**……………………………………………**



**…………………………………………………**



**…………………………………………………**

1. **Explain how computers are used in the following areas.**
2. **Supermarket (2 Marks)**

**……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..**

1. **Banks. (2 Marks)**

**……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..**

1. **Explain the following components that make up a computer system. (6 Marks)**
2. **Hardware**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **Software**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **Liveware**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **a. Define a computer laboratory. (2 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**b. give five factors to consider when preparing a computer laboratory. (4 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **Give five rules to observe when entering a computer laboratory. (5 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**………………………………………………………………………………………………………………………**

1. **Give three causes of fire in the computer laboratory. (3 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **Why are powder and liquid fire extinguishers discouraged in the computer laboratory?**

**(2 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**………………………………………………………………………………………………………………………**

1. **Give three precautions that prevent dust from entering the computer laboratory and damaging the computers. (3 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **Write the following abbreviations in full. (3 Marks)**
2. **POST: ………………………………………………………………………..**
3. **BIOS: …………………………………………………………………………**
4. **UPS: …………………………………………………………………………..**
5. **State three functions of a Uninterruptable Power Supply in a computer laboratory. (4 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **What is booting? (1 Mark)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. **Give two types of booting. (2 Marks)**

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**THIS IS THE LAST PRINTED PAGE.**

**GOOD LUCK**