**NGOGWE BASKERVILLE SECONDARY SCHOOL**

**END OF YEAR EXAMINATIONS 2023**

**SUBSIDIARY ICT**

**SENIOR FIVE**

**TIME: 2HRS: 30MINS**

**INSTRUCTIONS;**

Write your answers in the spaces provided.

Attempt all questions

|  |  |  |  |
| --- | --- | --- | --- |
| QN | MARKS | QN | MARKS |
| 1 |  | 11 |  |
| 2 |  | 12 |  |
| 3 |  | 13 |  |
| 4 |  | 14 |  |
| 5 |  | 15 |  |
| 6 |  | 16 |  |
| 7 |  | 17 |  |
| 8 |  | 18 |  |
| 9 |  | 19 |  |
| 10 |  | 20 |  |
| TOTAL | |  | |

1 (a) What are **input devices**? (1mk)

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(b)Mention **four** types of data. (4mks)

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2. Define a **Computer System.** (2mks)

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(b) Mention **three** examples of portable Computing devices. (3mks)

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3(a) Mention any **three demerits** of using the internet. (3mks)

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(b) Describe any **two** ways of ensuring data and information security. (2mks)

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(4a). Differentiate between **Primary** and **Secondary storage** devices giving one example in each case. (2mks)

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(b). Outline **three** advantages of Secondary storage devices. (3mks)

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5(a) Define the term **Data communication**. (1mk)

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(b)Mention **four components of a data communication system.** (4mks)

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6 (ai) What is a Peripheral Component? (1mk)

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(ii) What is the meaning of the following internet terminologies?

**(i)Internet Service Provider** (1mk)

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(ii)**Search engine**. (1mk)

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(b) Give **two** examples of peripheral devices for a desktop Computer. (2mks)

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7(a) Write **BIOS** in full. (1mk)

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(b)Explain the following booting processes.

(i) **Cold booting** (1mk)

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(ii) **Warm booting.** (1mk)

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(c) Explain the concept of **Artificial Intelligence.** (2mks)

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(8)Differentiate between **application** and **system software.** (2mks)

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(b)Mention two web authorizing **softwares.** (2mks)

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(ii)State a file extension of a web publication file. (1mk)

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9(a) Distinguish between **data** and **information** giving an example of each. (2mks)

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(b)Briefly explain the three stages of the **information processing cycle**. (3mks)

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10(a) Name one example of a Word Processor. (1mk)

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(ii)Explain the following views in a Word processor

(i)**Print layout** (1mk)

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(ii)**Read/fullscreen mode** (1mk)

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(b) Name two kinds of jobs that are most appropriate to use a word processor. (2mks)

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11(a) List **three** functions of an Operating System. (3mks)

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(b)Give two basic components of a Graphical User Interface.(GUI) (2mks)

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12(a)(i) What is wireless transmission. (1mk)

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(ii) Give one example of wireless transmission. (1mk)

…………………………………………………………………………………………………… (b)Outline two benefits of wireless Communication. (2mks)

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13(a) Complete each sentence below using one item from the list. (5mks)

Hard Disk, Ports, RAM, Sockets, ROM, Cables, 16, 8, 1000, Servers, Standalone, Clients, Switches.

1. …………………………………………………………………………………is a secondary storage device found inside the Computer’s System Unit
2. …………………………………………………………………………………is a type of memory that does not lose its contents when power is switched off, stores programs that start a computer and does diagnosis
3. …………………………………bits of information make up a byte.
4. The points of connection between a computer’s motherboard and its peripheral devices are called…………………………………………………………
5. …………………………………………………………………refers to a number of computers controlled by one central host computer

14. Study the figure below and answer the questions that follow.

|  |  |  |  |  |  |  |  |  |
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|  | A | B | C | D | E | F | G | H |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  | No | NAME | BIO | MTC | ENG | POSITION | GRADE |
| 3 |  | 1 | Bety | 32 | 40 | 30 |  |  |
| 4 |  | 2 | Doreen | 50 | 32 | 25 |  |  |
| 5 |  | 3 | Marcus | 63 | 46 | 87 |  |  |
| 6 |  | 4 | Sulaiman | 65 | 43 | 86 |  |  |
| 7 |  | 5 | Aisha | 75 | 70 | 60 |  |  |
| 8 |  | 6 | Fazil | 81 | 88 | 65 |  |  |

Write an appropriate formula/function that can be used to obtain;

1. The position for;

(i) Aisha (1mk)

…………………………………………………………………………………………………

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(ii) Bety (1mk)

…………………………………………………………………………………………………

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(iii) Marcus (1mk)

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(b).Mention any two applications of conditional statements in spreadsheet applications. (2mks).

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15(a) State the function of each of the following parts of the computer

(i)**PCI slots** (1mk)

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(ii)**Motherboard** (1mk)

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(iii)**VGA port** (1mk)

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(b)Mention one example of a hardware Component **attached to the motherboard** (2mks)

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16. Describe briefly the following terms in a DBMS

1. Record. (1mk)

……………………………………………………………………………………………………

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1. Field (1mk)

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1. File/Table (1mk)

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1. Database (1mk)

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1. Query (1mk)

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17(a) Give three examples of IT applications in a home. (3mks)

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(b)List any two services provided by the Internet today. (2mks)

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18(a) Suggest any two ways the speed of a computer can be improved. (2mks)

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(b)State any three qualities of a good printer. (3mks)

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19(a) Suggest the kind of application software that would best fit the jobs of the following persons

1. A Writer (1mk)

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(ii) A SOHO accountant (1mk)

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(iii) A Teacher delivering his/her lesson. (1mk)

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(iv) An Architect (1mk)

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(v) A Graphic designer (1mk)

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20(a).Mention any one ways of opening a **program in Microsoft Windows**. (1mk)

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(b) Name four features that are normally provided with a word processor. (4mks)

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**END**

**FOR GOD AND MY COUNTRY**