**COMPUTER STUDIES**

**FORM ONE**

 **END OF TERM 3 2022**

**NAME: ………………………………………….…………………….ADMNO:………….CLASS………..**

**- *Answer all the questions in the spaces provided-***

1. Using arrows, match the following generations of computers with the technology which they relied on. (4 marks)

**GENERATION TECHNOLOGY**

First Generation VLSI

Second Generation Thermionic valves

Third Generation ICs

Fourth Generation Transistors

1. Give **three** advantages of the second generation computers. (3 marks)

1. Identify three major categories of computer hardware. (3 marks)

1. The illustrations below represent two orientations of a very important part of a desktop computer. Study them to answer the questions below:

**A**

**B**

1. Name the object represented in the above images. (1 mark)

1. Identify the orientations represented in orientations **A** and **B**. (2 marks)

1. Give four components that are houses inside the object represented in the above images. (2marks)

5) Give three reasons why a mobile phone is regarded to be a computer (2 marks)

6. (a) Define the term ‘computer laboratory’ (2 marks)

 (b) Give two factors to be considered when preparing a computer laboratory (2 marks)

7. a) List down three safety precautions one should observe when entering a computer laboratory (3 marks)

b). Identify three facilities that will ensure proper ventilation in a room. (3 marks)

8. State three reasons for warm booting your computer. (3 marks)

9. (a) State two reasons why a computer needs to be connected to a stable power supply (2 mark)

 (b) List down three functions of the uninterruptible Power Supply (UPS) (3 marks)

10. Mention two things that are likely to cause strain- in the computer room (3 marks)

11. (a) What is a peripheral device? (1 mark)

1. Give **three** examples of **common** peripheral devices. (3 marks)

12. What is the difference between analog and digital computers? (2 marks)

13. Give **two** reasons why smaller computers like laptops tend to be more expensive than desktop computers. (2 marks)

14. Computers are classified using **three** criteria namely, **functionality, purpose** and **physical size**. In each of these classes, name and describe:

 (a) Three types of computers under classification by **functionality**. (3 marks)

 (b) **Three** types of computers under classification by **purpose**. (3 marks)

15. (a) Explain the meaning of the following mouse techniques:

 (i) Clicking (1 mark)

 (ii) Dragging (1 mark)

 (iii) Right clicking (1 mark)

 (b) Describe **three** categories of keys found on the keyboard. (3 marks)

 (c) Describe the following terms as used in computers: (2 marks)

 (i) Cold booting

 (ii) Warm booting

 (d) Define the following terms: (4 marks)

 (i) Information

 (ii) Processing

 (iii) Input

 (iv) Data

16. (a) i) What is a softcopy output? (1 mark)

 ii) Give four differences between an impact and non-impact printer. (4marks)

 (b) Give five differences between a CRT and flat panel screen. (5 marks)

 (c) State five reasons why one may go for a hardcopy output. (5 marks)

17. a) What do the following acronyms mean in full: (2mks)

i) VDU

ii) LCD

1. VGA

1. XGA.

b). State any five factors to consider when choosing a printer. (5mks)

 c) i) Briefly define a computer bus. (2mks)

ii) Describe three types of computer buses. (6mks)

iii) What is a drive? (2mks)

 iv) State four types of computer drives. (4mks)