**NAME: …………………………………………. INDEX NO:……………………………….**

**SCHOOL: ……………………………………… DATE : ……………………………………**

**COMPUTER STUDIES**

**EXAMINATIONS 2019**

**FORM ONE MIDTERM ONE 2019**

**SECTION A- *Answer all the questions in this section***

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. Explain the reason why a computer is referred to as: (3 marks)
2. A programmable device

1. An electronic device

1. A processing device

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. State **one** advantage of each of the two orientations. (2 marks)

**A:**

**B:**

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

8a). Identify three facilities that will ensure proper ventilation in a room (3 marks)

b. Why would it not be good to install Powder or Water – based fire extinguishers in the computer room?

 (3 marks)

9. (a) State one reason why a computer needs to be connected to a stable power supply (1 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) What is a computer laboratory? (1 mark)

 (b) State **three** factors that a school should consider when putting up a computer laboratory. (3 marks)

 (c) Explain **three** requirements if a computer laboratory. (3 marks)

 (d) Explain **five** rules to be observed by students in a computer laboratory. (5 marks)

 e) State the function of the following keyboard keys

i) CAPS Lock.

ii) TAB key

1. Backspace key.

1. Insert (Ins) key.

17. List four computing devices that were used during the pre electronic age