# COMPUTER SCIENCE-GRADE 7 ENDTERM 1 2023 HOLIDAY ASSIGNMENT

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

**School ……………………………………………….**          **GRAND TOTAL**
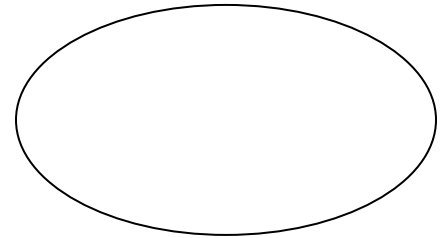
# Instructions:

*-Learners to attempt the questions in the spaces provided in this booklet during this holiday and use the marking schemes provided by Mr Machuki (0724333200) for marking and revision purposes.*

1.  Explain the following terms used in computer science. (3mks)
    a.  Data


    b.  Information


    c.  Data processing

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2. The diagram shown below is the data processing cycle. Use it to answer the following questions.

| Input | | X | | Output |

| Storage |
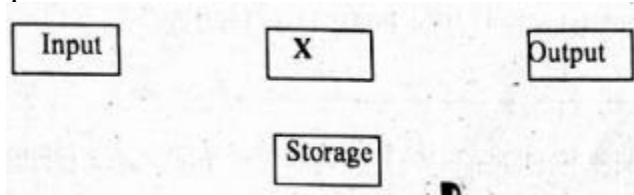
   a. Complete the diagram by showing the flow data and information using arrows. (5mks)
   b. What happens at the stage labeled X? (2mks)

3. Which of the following is **not** a characteristic of computers? (2mks)
      a. Diligence
      b. Versatility
      c. Thinking
      d. Speed
4. Erick at Tusome Junior Secondary was asked by his teacher to name four advantages of using computers and he listed them as shown below. Which one is not? (1mk)

      A. Computers perform tasks at a high speed.
      B. Computers have the ability to do more than one task at a time.
      C. Computers are realiable.
      D. Computers can cause health issues.

5. Write down **three** disadvantages of using computers. (3marks)

6. Match the following areas to their computer applications. (4mks)

| Application area | Use of computer |
| --- | --- |
| Education | Supporting online banking and mobile banking. |
| Home | In supermarkets to record goods bought, their prices and maintain record. |
| Banking | Used for entertainment. |
| Business | For keeping and maintaining records of students and staff. |

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7. What is the name of the first mechanical calculating device? (2mks)



8. Give an example of a computer developed in the following evolution stages. (3mks)

    a. Mechanical era
    b. Electromechanical era
    c. Digital era

9. Name the main electronic component that was used by computers in the following generations. (4mks).

    i. First generation.
    ii. Second generation.
    iii. Third generation.
    iv. Fourth generation.

10. Among the **five** generations of computers, which one continues to evolve? (1mk)