

**Grade – 5****Chapter 1****Evolution of Computers****New Words**

1. Analytical Engine
2. Accuracy
3. Pascaline
4. Tabulating Machine
5. Leibniz
6. Reliability
7. Artificial Intelligence
8. Microprocessor
9. Integrated Circuits
10. Transistors

**Section A: Tick (✓) the correct answer**

1. Early man carved marks on ..... in order to keep the records.  
a. clay   b. computer   c. calculator   d. none of these  
Correct Answer: a. clay
2. The ..... generation used magnetic tapes.  
a. first   b. third   c. second   d. fourth  
Correct Answer: c. second
3. Herman Hollerith invented .....  
a. UNIVAC   b. Mark-I   c. Tabulating Machine   d. ENIAC  
Correct Answer: c. Tabulating Machine
4. The first electro-mechanical computer was .....  
a. Mark-I   b. ENIAC   c. Difference Engine   d. UNIVAC  
Correct Answer: a. Mark-I
5. .... can process millions of instructions in seconds.  
a. Pebbles   b. Computer   c. Tabulating Machine   d. Mark-I  
Correct Answer: b. Computer

**Section B: Fill in the blanks using the words given below**

1. .... is known as the 'Father of computers'.  
Answer: Charles Babbage
2. .... is known as the first programmer in computer history.  
Answer: Lady Ada Lovelace
3. UNIVAC was invented by ..... and Presper Eckert.  
Answer: John Mauchly
4. .... introduced the PC-XT.  
Answer: IBM
5. .... consumed almost 200 kw of power.  
Answer: ENIAC

## Section C: Write 'T' for true and 'F' for false

1. Early man used to count with a calculator.  
Answer: F
2. Abacus is used to calculate numbers at low speed.  
Answer: F
3. VLSI stands for very low scale integration.  
Answer: F
4. GUI operating system was introduced in third generation.  
Answer: T

## Section D: Short answer type questions

1. How did people calculate or count in the olden times?  
People used ropes, knots, and carved marks on clay to keep records.
2. Which generation computers used microprocessors?  
Fourth generation computers used microprocessors.
3. Who invented the analytical engine?  
Charles Babbage
4. Write any one limitation of computer.  
Lack of decision-making ability.

## Section E: Long answer type questions

1. Write one difference between first and second-generation computers.  
First generation computers used vacuum tubes, while second generation computers used transistors.
2. Write short note on:
  - a. ENIAC  
ENIAC was one of the first electronic general-purpose computers. It consumed 200 kilowatts of electricity.
  - b. Abacus  
Abacus was the first calculating device used by ancient people to perform simple calculations.
3. Write any two features of fifth-generation computers.
  1. Use of Artificial Intelligence
  2. Ability to understand natural language
4. Explain any two characteristics of computer.
  1. High Speed
  2. Accuracy

## **(Subject Enrichment)**

**Name the machines associated with the following scientists in the field of computers**

- |                              |   |                          |
|------------------------------|---|--------------------------|
| 1. Charles Babbage           | - | Analytical Engine        |
| 2. John Mauchly              | - | ENIAC                    |
| 3. Blaise Pascal             | - | Pascaline Adding Machine |
| 4. Herman Hollerith          | - | Tabulating Machine       |
| 5. Gottfried Wilhelm Leibniz | - | Leibniz Step Reckoner    |

**Write the year in which the following inventions took place**

- |  |      |
|--|------|
| 1. First mechanical calculator                 | 1942 |
| 2. First electronic computer                   | 1946 |
| 3. First mechanical computer                   | 1833 |
| 4. First version of Microsoft Windows released | 1985 |