

Ch-1 Computer History & Generations

Textual Exercise

A. Tick the correct answer.

1. The first calculating device was
 - a. Napier's Bones
 - b. **Abacus**
 - c. Pascaline
2. Which calculating device was developed by Gottfried Wilhelm (von) Leibniz?.
 - a. Pascaline
 - b. Mark I
 - c. **Step Reckoner**
3. is known as the "Father of Computer".
 - a. **Charles Babbage**
 - b. Herman Hollerith
 - c. Blaise Pascal
4. The PC-AT was introduced in.....
 - a. 1894
 - b. **1984**
 - c. 1994
5. The Second Generation computers used
 - a. **Transistors**
 - b. Vacuum Tube
 - c. IC
6. The Generation computers are based on Artificial Intelligence.
 - a. First
 - b. Third
 - c. **Fifth**

B. Write 'T' for true and 'F' for False statements.

1. Early man used to count with the help of stones, fingers, etc. (T)
2. Herman Hollerith invented 'Tabulating machine' in 1990. (F)
3. Mark I was the first electro-mechanical computer. (T)
4. The First Generation computers did not produce a lot of heat. . (F)
5. The Third Generation of computers used vacuum tubes.. (F)
6. Integrated Circuit was used in the Fourth generation of computers . (F)

C. Fill in the blanks.

1. Abacus was invented by Chinese
2. Pascaline Was invented by Blaise Pascal in 1642.
3. Charles Babbage invented 'Difference Engine' and 'Analytical Engine'.
4. ENIVAC and UNIVAC are the examples of First generation computers.
5. The Second Generation computers used Assembly language.
6. The Transistors were replaced by Integrated Circuit in the Third Generation computers.
7. The Fourth generation computers use Microprocessor.
8. The goal of Fifth Generation is to develop the computers that can respond to Natural Language.

D. Read the clues and name the machines.

1. Its numbers were marked on a set of rectangular rods.

Ans. Napier Bones

2. Its principle is still used in water meter and speedometer.

Ans. Pascaline

3. Vacuum tubes were replaced by it.

Ans. Transistors

4. It is based on Artificial Intelligence and still in development phase.

Ans. 5th Generation

E. Differentiate between the following.

1. First Generation computers:

- i. It is used Vacuum tubes.
- ii. It used Machine Language.

Second Generation computers:

- i. It used Transistors.
- ii. It used Assembly Language.

2. Third Generation Computers:

- i. They used Integrated Circuits (ICs)
- ii. They used high-level language.

Fourth Generation Computers:

- i. They use microprocessor.
- ii. They use high level language.

Extra Questions

1. Write the name of first microprocessor by Intel.

Ans. 4004

2. Write the name of first mechanical computing machine.

Ans. Pascaline

3. Write the name of first electro-mechanical computer.

Ans. Mark 1

4. Name the technology which is used in first generation computers.

Ans. Vacuum Tubes

5. Name the language which is used in second generation language.

Ans. Assembly Language.

6. Write the name of one high level language.

Ans. C++

7. Write the example of fifth generation computers.

Ans. Robot

8. Who invented the first computer mouse, which was made of wood?

Ans. Doug Engelbart

9. When the first 1Gb Hard disk was announced?

Ans. 1980

10. Write the longest word that you can write using the letters only on one row of keyboard.

Ans. Typewriter