

Test

Ans 1 Generation in computer terminology is a change in technology a computer is being used. Initially the generation term is distinguish between varying hardware technologies. Nowadays generations of computers are used for hardware & software both.

Vacuum Tube was first generation of computers.

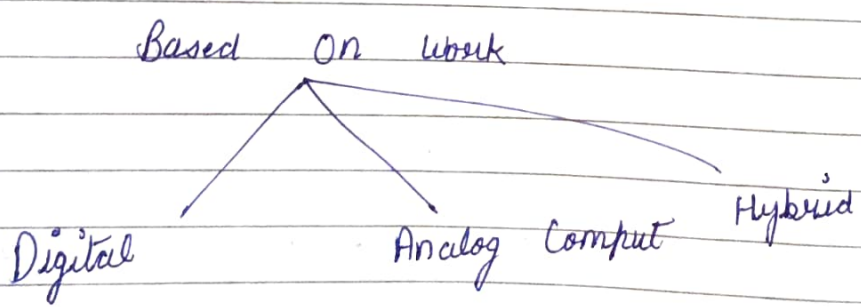
Ans 2 Digital & Analog Computer

Digital Computer :-

These types of computers are used to calculations by binary language. A digital computer is not only used for calculations but also used for binary digits in bytes.

Analog Computer :-

Analog Computers are used for Arithemathical & logical calculations. It use continuous variable mathematical calculations. Analog computers serve as mathematical calculations.



There are 5 generations of computers.

1. 1st Generation :-

Time Period - 1940-1956

These type of computers are based on Vacuum tubes. These computers are too bulky. Based on Magnetic drums.

Operating system - Batch

Characteristics :-

- * Too Bulky.
- * ~~Produce~~ Generate Large amount of heat
- * Very costly.

Applications :- Used for Scientific purpose

2. 2nd Generation :-

Time Period :- 1956-1963

Based on Transistors. made up on Semiconductors.
Operating system - Time sharing.

Characteristics :-

- * More Reliable
- * ~~Reduce~~ Reduce heat

Applications :- Used for commercial purpose.

3. 3rd Generation :-

Time Period :- 1964 - 1971

Based on integrated circuit. Made up on silicon chips

Operating system - Real Time

Characteristics :-

- * More Reliable
- * Portable

Applications :-

Database Management system.

The speed of this computer is very high.

4. 4th Generation :-

Time Period - 1971

Based on Large Integrated circuit. In this computer ~~In~~ CPU. has an entire silicon chip.

Operating system - Time Sharing.

Characteristics :- * Portable.

- * Reduce heat
- * More Reliable

5 5th Generation :-

Based on Artificial Intelligence
Operating system - Optical disc.

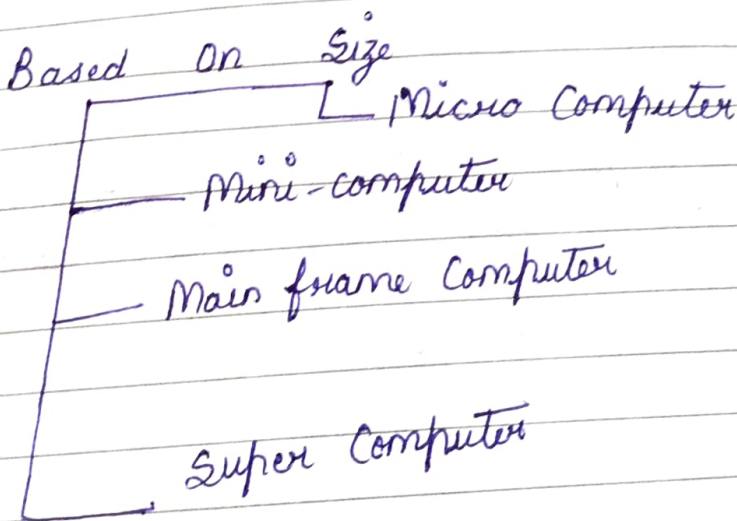
Characteristics :-

- * More reliable
- * This generation leads more effective communication
- * Parallel processing

Applications :-

- * Based on AI
- * Eg Robotic
- * AI includes - Games playing
Natural language

Ans 4



1. Micro Computer :-

These type of computers least powerful but more used. These types of computers are basic 3 categories system, input & output unit. Eg Laptop, PC, Palm computer

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2. Minicomputer :-

These type of computers are very smaller than micro-computers. These type of computers are mainly developed for specific tasks but now they are work as a central computer called as server.

3. Mainframe :-

1. These type of computers ~~are~~ have large memory and storage.

2. These computers are a backbone of entire business world.

3. These computers allows a large no of people to work at the same time.

4. Super Computer :-

a) These computers are very fastest computers

b) They are used for large calculations.

c) Eg

Param, Cray-1

Ans 5 Digital Computer :-

These type of computer are used for calculations by binary digits. A digital computer is not only used for calculations but also used for binary digits.

2. Analog :-

Analog computers are used for mathematical & logical calculations. It use continuous variable mathematical calculations. Analog computer sense as a mathematical calculations.

3. Hybrid :-

These type of computers are combination of Analog & Digital computers. These computers are used in hospitals like ECG.

