Girls' High School & College, Prayagraj
Worksheet - 1
Session 2020-21
Class V A-F
Subject – Computer
Evolution of Computer
(Generations of Computer)

Instruction-Please ensure that the child reads the summary two days ,understands and then answers the question given below:-

A computer is a machine that can be instructed to carry out sequences of arithmetic or logical operations automatically via computer programming. Modern computers have the ability to follow generalized sets of operations, called *programs.* These programs enable computers to perform an extremely wide range of tasks. A "complete" computer including the hardware, the operating system (main software) and peripheral equipment required and used for "full" operation can be referred to as a computer system.

Computers generations are based on major technological changes in computers. As of 2018 ,there are five generation of computers.

*FIRST GENERATION(1940-1956) It used vaccum tubes as a major piece of technology.
-The ENIAC (Electronic numerical integrator and computer) is great example of first generation of computers
-Bulky
- Consume more power with limited performance
- High cost

*SECOND GENERATION(1956-1963)It used transistor instead of vaccum tubes .
-Small in size
- Lesser power consumption and better performance

*THIRD GENERATION(1964-1971) It introduced the use of IC (INTEGRATED CIRCUIT).
- Faster processors
 - In the beginning magnetic core memories were used. Later they were replaced by semiconductor memories (RAM & ROM)
- Introduced microprogramming

*FOURTH GENERATION(1972-2010)It used microprocessor more commonly known as a CPU(Central processing unit).
-Introduced Graphical User Interface
-LAN and WANS were developed (where desktop work stations interconnected)

*FIFTH GENERATION(2010 TO PRESENT) It used AI (Artificial Intelligence).
-Introduced ULSI (Ultra Large Scale Integration) technology – Intel's Pentium 4 microprocessor contains 55 million transistors millions of components on a single IC chip.

Answer the following questions

Q1.What is Computer?
Q2.What is Program?
Q3.What is Computer system?
Q4.Write any two features of fourth generation of computer.
Q5.What are the types of computer generation ?
Q6.Write the features of first generation of computer.

Write the full form :

a) ENIAC: _____
b) IC :_____
c) AI:_____
d) ULSI: _____
e) CPU:_____

Fill in the blanks:

a) The _____ is great example of first generation of computers.
b) It used _____ more commonly known as a CPU(Central processing unit).
c) Computers generations are based on _____ changes in computers .
d) _____used vaccum tubes as a major piece of technology.
e) _____ used transistor instead of vaccum tubes.

Match the following:

1.Artificial Intelligence   3rd generation
2.Vaccum Tubes   2nd generation
3.Transistor   1st generation
4.Integrated Circuit   4th generation
5.Microprocessor   5th generation

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