



STEPPING STONE
SCHOOL (HIGH)

CLASS :VIII

Subject: Computer

Date: 28 /04/20

Topic: Computer System

Time Limit: 1hour

Worksheet No.:1

Computer System:

A computer is a general purpose device which can be programmed to carry out arithmetic or logical operations consist of a processing element which is known as central processing unit(cpu) . a complete working computer include the compute along with peripheral devices (viz keyboard, mouse ,printer, speaker) which allows information to be retrieved from an external sources, result of operations saved and retrieved.

Hardware and software:

A computer system consists of hardware and software.

Hardware is the term given to the machineries, the various components of the computer and equipment which are essentially needed for the system. It also refers to the all the physical devices of the computer system. Thus all input devices, output devices, storage devices, controlling and processing units are hardware

The term software refers to the set of computer programs, produced and associated documents .It also describes the programs how they are to be used. Software means collection of programs whose objective is to enhance the capabilities of the hardware .A software cannot work on its own rather it is dependent on hardware. Thus hardware and software are complementary to each other

Types of hardware:

Hardware consists of the components, which can be physically handled. These components are broadly divided into three main

categories; they are input hardware, output hardware and storage hardware.

Examples of input hardware :- keyboard, Mouse, Light pen, Scanner, Microphone etc.

Examples of output hardware: - Monitor, Printer , speaker etc.

Storage Hardware: Hard disk, compact disk, pen drive etc

Types of software:

Computer software is classified into two broad categories a) System software b) Application software.

System software:

System software is also known as system package, it is one or more programs, designed to control the operations of the computer system. These programs do not solve specific problems. They are general programs used for the use of computer system for performing tasks such as controlling the operations , moving data and all the stepped involved in executing an application program. For example operating system, compiler, interpreter, loader, linker etc.

Operating system :

An operating system is a system software which coordinates different hardware and software components of a computer system. It basically supervises various activities of a computer system and enables a computer to be used by the user in efficient manner.

Language processor:

The language processors e.g. Compiler, interpreter, assembler are responsible for converting any instruction to the machine level language, which is understood by the system, After processing the result are obtained in human readable form.

Application Software:

Application program is also known as application package, it is one or programs designed to carry out operations for specified applications. An application program can run on itself but it is

dependent on system software. For example electric billing system, payroll system, Library management system Ms Word, Ms Excel etc.

[Copy the questions below and solve them on a sheet of paper date wise. Keep the worksheets ready in a file to be submitted on the opening day.]

Exercise:

- 1) What is computer system?
- 2) What is Hardware? Name different types of hardware.
- 3) Give different examples of input hardware, output hardware and storage hardware
- 4) What is software? Give example.
- 5) Write a short note on System software. Name different types of system software.
- 6) Describe briefly 'operating system'? Give different examples of operating system.
- 7) What is application software? Give example?
- 8) Show how application software is dependent on system software?
- 9) Briefly explain the functions of language processor? Name three types of language processor.
- 10) Explain how hardware and software are dependent on each other.

To be continued

