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Q1(A) Discuss The Importance of SYSTEM SOFTWARE in A COMPUTER?

SYSTEM SOFTWARE is a SOFTWARE which is designed platform to provide for OTHER SOFTWARE.

There are some example of SYSTEM SOFTWARE. SYSTEM SOFTWARE included operating SYSTEM LIKE Windows, Macintosh, Linux, MACOS, GNU OR GAME ENGINE.

OR,

A SET OF ONE OR MORE PROGRAMS which controls the COMPUTER SYSTEM AND extends its processing capability is called SYSTEM SOFTWARE.

Example :- windows, Macintosh, Linux.

## IMPORTANCE OF SYSTEM SOFTWARE:-

(IBM) ARE key players in the SOFTWARE Industry. SYSTEM SOFTWARE Includes operating SYSTEM And The associated programs, which enable SYSTEM and COMPUTERS TO WORK. It provides The FOUNDATION For The Infrastructure SOFTWARE that Links and manages hard ware, net works and SOFTWARE Together.

(B) FEATURES OF SYSTEM SOFTWARE?

- (1) speed Fastly
- (2) size is smaller
- (3) To design Difficult
- (4) close to The system
- (5) LESS INTERACTIVE
- (6) SYSTEM SOFTWARE is close to the system.
- (7) HARD TO MANIPULATE.
- (8) WRITE IN LOW-LEVEL LANGUAGE
- (9) TO UNDERSTAND DIFFICULT.
- (10) SYSTEM SOFTWARE is Design DIFFICULT.

2(A) Keeping in view the discussion on main memory, write a few limitations of main memory?

### MAIN MEMORY :-

Consists of consecutive memory locations called cells. Each cell has a unique address. The address is used for identification of cell. The contents of the cell may change but its address remain the same.

OR,

MAIN MEMORY is where programs and data are kept when the processor is actively using them. MAIN MEMORY is SOMETIMES CALLED RAM.

## (RAM) - RANDOM ACCESS MEMORY

- \* STORES DATA FOR THE TIME BEING.
- \* VOLATILE IN NATURE
- \* IT STORES DATA FOR AS LONG AS COMPUTER IS SWITCHED ON.
- \* IN CASE OF POWER FAILURE DATA WILL BE LOST.

## (ROM) READ ONLY MEMORY.

### Types OF RAM :-

Dynamic RAM :- (DRAM)

Static RAM :- (SRAM)

(DRAM) :- charge TO RETAIN DATA.  
(Less power, cheap).

(SRAM) :- static RAM has NO CHARGE.  
(More power, Expensive).

## Limitations of Main Memory:-

- \* Limited Amount of DATA STORAGE.
- \* Temporary Memory
- \* Expensive.

## 2(B) Main Memory is considered to be Important part of processing elaborate?

Main Memory is considered to be an important part of processing because the amount of main memory on a computer is crucial because it determines how many programs can be executed at one time and their would be largely DATA which can be readily available to a program. Main memory role in the computer uses RAM to hold temporary instructions and DATA needed to complete tasks. This enables the computer CPU, to access instructions and DATA stored in memory very quickly.

Q3/- Based on Telnet Discussion Related to Internet and its services elaborate the effectiveness of Telnet based SOFTWARE in current health emergency and how different sectors of life are benefiting from it?

\* **TELNET:-**

A network protocol that allows a user on one computer to log into another computer that is part of the SAME NETWORK.

OR,  
Log into a REMOTE computer using a telnet program.

Telnet permits to test access the school network from a device to specific ports on an external server. Accessing REMOTE COMPUTERS. The



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Great Advantage of this Telnet SOFTWARE is so as to its consent to remote access to a different computer.

### USES OF TELNET :-

TELNET is used most often for remote management but also sometimes for the initial setup. Telnet uses for some devices, especially network hardware such as switches and access points. Telnet uses in this essential era are very useful. server they feedback of Telnet is good from the people.

## How Different Sectors of Life are benefiting from Telnet?

The example of Telnet a user may telnet into a computer that hosts their website to manage his or her files remotely. In this image is an example of Telnet session. As can be seen from this, a Telnet session is a Command Line Interface.

Telnet using in this modern era are very useful the students using Zoom App Teacher can be teach the students online. The students can be understand the communication between teacher and student are very easily from the "Zoom" App.