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Q NO 1 ANS :- **SYSTEM SOFTWARE** :- System soft ware is s set of program to control and manage the computer hardware system is a large programe which gives instruction to all computer parts . system software also control application software .the application communicates with the system software .

**Helps to users:** computer users interface with system software .

Example – just like a windows.

Xp win , 2003 ,2007 ,2008 and 10 windows.

Windows helps to user to control the computer. **program or hardware** . the system software provides to communicate with computer devices (disk drives , keyboard , monitor etc) some popular operating system or system software oar clinx and linux windows.

(B) **few benefits of open source software** :- open source software :- open source softwre has been around all computer have exist .

- Every thing requires open soured software for tele communication accounting , productively software management contact and
  - Lesser costs , less expensive
  - High quality software
  - Scaling the software compances use open source software such as Google , chronic , facebook , Microsoft etc etc .
  - It use for business there are some benefits of open source software .
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Q no 2 ANS :- **Data transmission** : there are two types of data transmission .

1) **Parallel transmission** :- A method of transmission in which groups of bits are sent at the same time over a multiple wires is called parallel transmission . each bit is transmitted over a separate line

- The internal transfer of data in a computer uses a parallel transmission
- The parallel transmission is faster because all bits are sent at the same time .
- The data transmission between computer and printer is done by parallel transmission .

Bit 1 ----- bit1  
Bit 2 ----- bit2  
Sender media receiver

2) **Serial transmission** :- A method of transmission in which data is sent one bit at a time is called serial transmission .

- The character bits are sent sequentially
- Serial transmission is slower than parallel transmission as data is sent sequentially one bit at a time .
- Each individual bit of information travel s along its own communication path.

## B) **Different between optical and magnetic storage :**

- **optical disk :**

- 1) Made of plastic .
- 2) Has a shiny reflective surface .
- 3) Uses laser beam for writing and reading data .
- 4) Data is records as pits(1) and (0)

- **Magnetic disk :** 1) it consist of thin circular plates of metals

- 2)coated with iron oxide
- 3) data is recorded as magnetized and non magnetized spots representing 1 and 0
- 4)the above is hard disk composition .

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Q NO 3 ANS :: - **Telnet** : - telnet service provide the opportunity to an internet user to log in to another computer through the internet from his her local computer . this action is

Called (remote login) . to start a remote login session , a user types telnet command and address of the remote computer on his / her local computer. The remote computer then authenticates the user by asking him/ her to enter a login name and password the user by specifies a correct login name and password the remote computer logs in the user and telnet command then enters input mode . from now onwards, anything that the user types in the local computer is sent to the remote computer for processing .

### **Common uses of telnet :-**

- For using computing power of remote computer
- For using some software on a remote computer , which is not available on users local computer

1) For logging in to ones own computer from anther computer .

**Software designed on telnet** :-the term telnet also used to the software that implement the client part of the protocol .

**File transfer protocol (FTP)**:- IT provide the opportunity to the internet user to cut a file from one computer to another computer through internet . a file may contain any type of digital information , text document , image , movie, software ,artwork, sound ,etc . FTP has to basic services .

1) **Uploading** :- the process of moving file from ones own computer to a remote computer

2) **Downloading** : the process of moving a file from remote computer to one ,s personal computer .

**Software designed on FTP** :- IT is a standard internet protocol used as the name suggest to transfer file between computers . FTP software user client server model so it requires two parts ,an FTP client and ftp server.

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