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Subject: Computer Application

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Question. 1: (a) Discuss the importance of system software and how it helps users?

Answer: System Software: System software is a set of programs that operate and control the computer system is known as system software.

Importance of System Software:

- The system software controls the basic functions of computer system or network.
- It can be control the operation of the peripheral devices.
- They support the execution of the application on the software.
- The system software enables computer to use its hardware.

How does it help users:

- System software run the computer system, without system software computer system is useless.
 - It makes the user able to be in contact with the computer through system hardware.
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Question.1: (b) Write a few benefits of open source software.

Answer: Benefits of open source software are:

- They allows the user to distribute the software of the same time.
 - They allows the user to change or edit its function.
 - It is allows the users to improve its function.
 - The license of the open source software allows the user to study the software.
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Question.2: (a) Explain different categories of transmission speed?

Answer: Different categories of transmission speed: The transmission can be done by two medium.

1: Guided Media: Guided media is the physical link in which the signal are confined along a narrow path. The Guided media can be divided into three types.

I: Twisted Pair Cable.

II: Coaxial Cable.

III: Fiber Optic Cable.

2: Unguided Media: The unguided media are also called the wireless media transport signals with using any physical conductor. The Unguided media are also divided into three types.

I: Radio Waves

II: Micro Waves.

III: Infrared.

Question.2: (b) Differentiate between optical and magnetic storage?

Answer: The difference between magnetic and optical storage.

<u>Magnetic Storage</u>	<u>Optical Storage</u>
1: Magnetic storage stores data in magnetic form.	1: Optical Storage stores data as dents by using a laser.
2: In Magnetic storage data is affected by magnetic field.	2: In Optical Storage data is not affected by magnetic field.
3: It has high storage capacity.	3: It has less storage capacity.
4: It does not use laser to read and write.	4: It uses a laser to read and write.
5: It is easy to modify data in magnetic storage.	5: It is difficult to modify data.

Question.3: Based on the discussion related to internet and its services, explain Telnet and FTP services and write a short review of any software designed on Telnet and FTP?

Answer: 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. From now onwards, anything that the user types on the local computer is sent to the remote computer for processing.

Common uses of Telnet:

- For using computing power of a remote computer.
- For using some software on a remote computer, which is not available on user’s local computer.
- For logging in to one’s own computer from another computer.

Software designed on telnet: The term telnet also used to the software that implements the client part of the protocol.

File Transfer Protocol (FTP): A file may contain any type of digital information, text document, image, artwork, movie, sound, software etc. FTP has two basic services:

1.Downloading: The process of moving a file from remote computer to one’s personal computer.

2.Uploading: The process of moving file from one’s own computer to a remote computer.

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

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