**PAPER: COMPUTER**

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**Q1: A) Discuss the importance of system software and how it helps users?**

 **System Software:**

System software is a set of one more programs which controls the more operations and extend the processing capability of a computer system.

**Importance:**

1. Supports development of other application software.
2. Support execution of other application software.
3. System software makes operation of a computer system more effective and efficient

System software help users in that way that it can coordinates the activities and functions of hardware and software; it controls the operations of computer hardware.

**B) Write a few benefits of public domain software.**

**Benefits of public domain software:**

1. Public domain software is not copy righted
2. It is released without any conditions upon it use and may be used without restriction.
3. Open source software is mostly high quality software.
4. Open source software allows a users to download modify and distribute modified codes to others.
5. From public domain software all over the world people can access others work.

**Q2: A) Explain different categories of transmission speed?**

There are two categories of transmission speed.

**Wired or guided media or bound transmission media:**

Bound transmission media are the cables that are tangible or have physical existence and are limited by the physical geography popular bound transmission media is use are twisted pair cable coaxial cable and fiber optical cable .each of them has its own characteristic like transmission speed effect of noise etc.

**Wireless or unguided media or unbound transmission**

Unbound transmission media are the way of transmitting data without using any cables these media are not bounded by physical geography this type of transmission is called wireless communication nowadays wireless communication is becoming popular.

**B) Difference between optical and magnetic storage?**

**Optical storage device:**

Optical storage devices are flat round disks that spins around its center the difference with magnetic storage device is that in optical storage devices are use to read and write data in disks.

**Magnetic storage:**

The most common type of storage device is magnetic storage device in magnetic storage devices data is stored on a magnetized medium. Magnetic storage use different patterns of magnetization to in a magnetizable medium to store data.

**Q: 3 Based on the discussion related to internet and its services which service you think has been most useful in current situation? Explain that service and why have you chosen it?**

**Electron mail:**

Electronic mail is useful in current situation because electronic mail service enable an internet user to send a mail to another internet user in any part of the world in a near real time manner. An email message takes a few seconds to several minutes to reach its destination because it travels from one network to another until it reaches its destination.

Email service has many similarities with postal mail service all internet users have an email address each internet user has a logical mail box .Email service deliver an already sent mail system. After reading the message the receiver can save it delete it forward to it by sending another message back

Messages in email service can contain not only text documents but also image audio and video data .only restriction is that the data must be in computed readable format

Email is important because it create a fast; reliable form of communication that is free and easily accessible they allow people to foster long lasting long distance communication

**Benefits of email:**

1. It is more personal and direct medium for communication.
2. Easy to send.
3. No time boundation.
4. People can attach files; images and other media to an email.

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