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**IDNO : 15123 Module : BBA 4th Semester**

**Subject : Computer Application To Business**

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**Q:1(a) Discuss the importance of system software and how its help users?**

**Ans:- Importance of system software:-**

1. System software can be designed as the software in such a way so that it can connect and work with computer hardware.
2. It acts as an interface between the device and the end user.
3. It also provides the problem for the running of other softwares.

**Example:-**

Operating systems,antivirus,software etc.

**System software helping users:-**

System software helps the users in following ways:-

1. In downloading files,movies,games etc.
2. Computer software helps in business e.g different accounting software.
3. It also helps in writing different business writing in which we doing Microsoft and slides in powerpoint.
4. Software system gives us the total business enterprise resources system.

**(b) Write few advantages of open source software?**

**Ans:-Advantages of open source software:-**

Following are the advantages of open source software:-

1. It lesser the of hardware.
2. It can also be efficiently used in coding.
3. It is mostly high-quality software.
4. Using the open source software can help you minimize your expenses.
5. Simple license management.
6. Using open source software give you more freeolom.

**Q:2(a) Differentiate between optical and magnetic storage?**

**(Differentiate between optical and magnetic storage)**

**Optical storage devices Magnetic storage devices**

**1:** Stores data as patterned image. Stores data in magnetic form.

**2:** It offer ledder capacity. It offer much higher capacity.

**3:** Requires LASER light to read and write Doesn’t require LASER heads to read and data onto the disc. write.

**4:** Slower data read and write. Faster data read and write.

**5:** Optical storages requires additional drives Almost all magnetic storage devices comes to functions. with built-in drives.

**6:** Easy and safe to take around. Not as safe as optical storage devices to take around.

**(b) Discuss the importance of main memory?**

**Ans:- Definition of (Main Memory):-**

The main memory in a computer is called RAM(Random Access memory).

**Importance of Main Memory:-**

People in the computer industry commonly used the term “memory” to refer to RAM(Random Access memory).

A computer uses Ram to hold temporary instructions and data needed to complete tasks.This enables the computers CPU(Central processing Unit) to access instructions and data stored in memory very quickly.

**Example:-**

CPU loads an application program such as word processing or page layout program into memory. In practical terms having the program loaded into memory means you can get work done more quickly with less time spent.

**Q:3 Based on the discussion related to internet and its services elaborated the effective use of internet in current health emergency and how different sectors of life are benefiting from it?**

**Effective use of internet in current health emergency:-**

Following are the effective use of internet in current health emergency:-

1. In current health emergency people can search about the viruses and precaution taken against the virus.
2. One can concern doctor online at home as now a days going to hospitals is not safe.
3. Also due to internet we are in touched of the serious situation going around the world and how we can be safe from it.

**Sectors of life benefiting from internet:-**

1. **Business sectors:-**

* Overhead reduction.
* Staff number reduction.
* Vulnerable people can get access to medicines.
* Online shopping of food.
* Provide customer assistance by banks to it clients.
* Online banking facilities.
* Taxi services through mobile applications (For Example: Uber,Cream)
* Staff training through different Apps.

1. **Education sector:-**

* Online classes facilities.
* Online lectures from youtube.

1. **Social sector:-**

* Facebook.
* Youtube.
* Instagram.
* Snapchat.