1. What is the internet? Explain in your own words.

Ans :

* Internet (global network) is connection between two computers that can access information from other computers after their permission.
* There are three types of internet connection- LAN, MAN, WAN
* For saving computer from cyberattack we can install antivirus.
* HTTPS address of have special features of security.

Advantages of internet –

* **Instant Messaging:** You can send messages or communicate to anyone using internet, such as email, voice chat, video conferencing, etc.
* **Get directions:** Using GPS technology, you can get directions to almost every place in a city, country, etc. You can find restaurants, malls, or any other service near your location.
* **Online Shopping:** It allows you to shop online such as you can be clothes, shoes, book movie tickets, railway tickets, flight tickets, and more.
* **Pay Bills:** You can pay your bills online, such as electricity bills, gas bills, college fees, etc.
* **Online Banking:** It allows you to use internet banking in which you can check your balance, receive or transfer money, get a statement, request cheque-book, etc.
* **Online Selling:** You can sell your products or services online. It helps you reach more customers and thus increases your sales and profit.
* **Work from Home:** In case you need to work from home, you can do it using a system with internet access. Today, many companies allow their employees to work from home.
* **Entertainment:** You can listen to online music, watch videos or movies, play online games.
* **Cloud computing:** It enables you to connect your computers and internet-enabled devices to cloud services such as cloud storage, cloud computing, etc.
* **Career building:** You can search for jobs online on different job portals and send you CV through email if required.

Disadvantages of the Internet

* **Time wastage:** Although, Internet has a lot of advantages, it also contains some limitations. Time wasting is one of among them. It can decrease your productivity if you are spending too much time on the Internet using social media apps while doing nothing. Rather than squandering time, one should use that time to do something useful and even more productive.
* **Bad impacts on health:** You can get health related issues if you spend too much time online; your body needs outside activities, exercise, and many other things. If you look at the screen for a long time, it causes negative effects on the eyes.
* **Cyber Crimes:** These days, crimes including cyberbullying, spam, viruses, hacking, and data theft are increasing day by day. Cybercriminals can quickly break into your system, which store all of your private information.
* **Effects on children:** The constant watching of videos and playing games on the Internet by young children is bad for their social and overall personality development.
* **Bullying and spreading negativity:** Social media applications have provided a free tool to all those people who regularly attempt to spread negativity with really repulsive and humiliating comments and try to bully each other, which is wrong and does bad impact on society.

1. What is a web browser? Explain in your own words.

Ans: A software application used to access information on the World Wide Web is called a Web Browser. When a user requests some information, the web browser fetches the data from a web server and then displays the webpage on the user’s screen. Ex- google chrome,mozilla, opera etc.

Functions of Web Browser

Our dependency on the Internet has massively increased. Stated below are functions of web browsers and how are they useful:

* The main function is to retrieve information from the World Wide Web and making it available for users
* Visiting any website can be done using a web browser. When a URL is entered in a browser, the web server takes us to that website
* To run Java applets and flash content, plugins are available on the web browser
* It makes Internet surfing easy as once we reach a website we can easily check the hyperlinks and get more and more useful data online
* Browsers user internal cache which gets stored and the user can open the same webpage time and again without losing extra data
* Multiple webpages can be opened at the same time on a web browser
* Options like back, forward, reload, stop reload, home, etc. are available on these web browsers, which make using them easy and convenient

1. What is a browser engine? Explain in your Word.

Ans :

* it is a software system(crowler) that is designed to search for information on the world wide web.
* The Search results are generally presented in line of results often referred to as Search Engine Results Page (SERPs)
* Commonly used search engines are yahoo, Google, MSN Serach, Bing etc.

1. What is static site ?

Ans : A static web page is **a web page that is delivered to the user's web browser exactly as stored**.

Advantages –

simplicity, Speed ,Security, Cost effectiveness, Scalability

disadvantages - Limited Functionality ,Lack of flexibility, No user interaction ,Not good for complex implementation

5.What is Dynamic Site?

Ans:

* Dynamic site is a type of website that uses a server-side programming and database to generate it’s content.
* Dynamic Site provide dynamic and interactive functionality to user.
* It has abilities like searching data in database, submit form data, display custom content etc.

Advantages-

Flexibility, User Interaction, Better SEO, Scalability, Advanced Functionality

Disadvantages-

A lot of overhead for simple applications, Requires more cost for deployment and implementation, Complex to implement.