Chapter 1

Introducing Internet

What is Internet?

Ans : The word Internet can be split into two words that is 'Inter' that means inside or within & 'net' which means mesh.

Internet is a computer based worldwide communication network, which is composed of large number of smaller interconnected networks.

OR

The Internet is a network of computer, spread all over the world, that allows users to share information & to communicative with each other.

What is Network?

Ans:- A computer network is a group of interconnected computers so as to facilitate sharing of resources and enhanced communication.

OR

A *computer network* is a collection of computers connected together for sharing information and hardware, software resources. A network can be formed with wired or wirelessly.

Write any two advantages & disadvantage of the Internet.

Ans:- Advantages of Internet

❖ Greater access to information reduces research times.
❖ Global reach enables one to connect to anyone on the Internet.
❖ Easy communication with other people.

Disadvantage of Internet

❖ Cyber frauds may take place involving Credit/Debit card numbers and Details.

❖ Computer viruses get downloaded and spread across machines connected to networks & have detrimental effects.

❖ Much of the information isn't checked & may be incorrected or irrelevant.

Write any 2 uses of the Internet.   [CBSE, 2006(1 marks)]

Ans:- i) **Access to information:**   On internet we can find information regarding anything, either personal, professional or study related problem.

    We can read newspaper online, read a book, check the latest movie reviews, order for flowers, and get latest information on the latest software.

   ii) **International Communications:** Over half of the world's nations have sites on Internet. Even more have access to e-mail gateways to exchange electronic with Internet sites. We can communicate with friends & colleagues anywhere in the world.

iii) **<u>Research:</u>** With every major university in the USA & Europe connected to internet, we can find information that will help us in our research.

iv) **<u>Education</u>**

v) **<u>Fun</u>**

What is full from of ARPANET?

Ans: - Advanced Research Project Agency Network.

What do you understand by term URL?

Ans: - **URL.** The full from of URL is Uniform Resource Locator. A URL refers to an address on the Internet. Billions of documents/multimedia files can be accessed on Internet through their URLs.

What is a protocol? How do protocols affect Internet?

Ans: - A protocol is a set of rules governing an operation or application.

On the Internet, various protocols play their roles e.g. network addressing on Internet, is based upon a protocol called **Internet Protocol.** Similarly, a particular location on Internet may be accessed using HTTP (Hypertext Transfer Protocol) protocol.

Difference between WWW (World Wide Web) and Internet.

Ans: - Most people think that WWW is Internet & vice-versa, which is Not True.

A large part of the Internet is the 'world wide web' (WWW). This is made up of websites that have one or more web pages. This is the part of the Internet that you probably that use most of the time.

But the Internet isn't just the webpages that you use every day.

It is really important to understand that the Internet is not the same as the WWW. The Internet is to the World Wide Web as Europe is to Germany. One is the container, the other is an item within the container.