



SACRED HEART SCHOOL

Maharana Pratap Chowk, Jhumri Telaiya, Koderma

Website: <http://www.sacredheartkoderma.org/>

Computer

Class – VIII (17-April-2020)

Ch. – 1 (Networking Concept)

Basic Networking Concepts

- 1. Introduction of network**
- 2. Advantages of computer network**

➤ **Networks which we come across in our daily life like:**

- **Cable TV Network**
- **Mobile Network**
- **Railway/Roadways network**
- **Network of People (Social network)**
- **Banking Branches etc.**

➤ **Now see the following two images:**



Network of People



Network of Road

1. Introduction

- A **Computer Network** can be defined as a group of computers and other devices connected in some ways so as to be able to exchange data.



Client-Servers Network Model

- **Node**: Each of the devices on the network can be thought of as a node; each node has a unique **address**.
- **Addresses** are numeric quantities that are easy for computers to work with, but not for humans to remember. Example: 204.160.241.98
- A network can be of two types:
 - ❖ **Intranet**: It refers to a network that is private to an organization.
 - ❖ **Internet**: This network is open to all. Anyone can connect to it.

2. Advantages of Computer Network

ADVANTAGES OF NETWORKING

There are many advantages of computer networking. Some of them are:

- ❖ **Cost Effective**: Besides software, hardware devices like printer, scanner, and modem can be shared by all the computers on a network. Thus, it saves a good amount of money by eliminating the need of buying additional hardware and software.
- ❖ **Backup**: Suppose a computer in a network faces some technical issue or hardware failure. In this case, the work can be allocated to another computer in the same network. Networking helps to keep the data and information preserved by backups on a central location.
- ❖ **Communication Tool**: It is a convenient mode of communication for any organization which has branches at different locations.
- ❖ **Easy Access to Remote Database**: One can instantly book railway or airline tickets from anywhere. Hence, it saves time and effort.
- ❖ **Accelerates Efficiency**: It allows the upgradation of software and data from a single point, thus the efficiency of a working system enhances to a great extent.
- ❖ **Reduces the Need of Hard Copies**: There are times when a copy of some document is to be circulated among many members in an organization. In such a scenario, a soft copy of the document can be shared among the members over the network.
- ❖ **Real-Time Delivery**: One can instantly share data and information across the globe.



INFO BOX

Intranet that is partially accessible to outside users are usually the trusted partners of the organization who have access to relevant information.

Questions (homework):

- 1. Explain the use of networking with real time examples of daily life.*
- 2. Write any four advantages of Computer Network.*
- 3. Define:*
 - a) Computer Network*
 - b) Node*
 - c) Intranet*

Note:

My E-mail Id – jh12b4916@outlook.com

(If anybody has any query related with subject, can send me messages on above mail, I will try to resolve your query.)