and associated devices connected to each other in order to provide communication intermediate

(CI.D)

Communication, information staring and resource sharing.

(A) Groupware: They are the special softwares that allow onultiple users to communicate directly to each other with inclusion of audiovisual and other types of data. eq. googlement, 200m meet etc

Network Security: Metwork security is to protect the networked computers and network operations from attackers and hackers.

Network security includes authentications, access control, data integrity, data confidentiality, non-repudiation and availability in all.

Need for securing a Network:

Every network needs security against attackers and hackers both. It includes two basic securities-

1) Security of data / information,

2) security of computer/machine. Network security not only means security in a single network sather in any network or network of networks.

On enternet or network of an organisation, a luge consount of secret information resides. So retwork security for information is needed for the following reasons—

needed for the following reasons—

unauthorised uses

1) To protect the sedet information from unauthorised users. 2) To protect it from unwanted editing by unauthorised users.

3) To protect it from loss during Jouney.

receivers in order to protect from denial by sender in specific situation eg purchase of shares, there sate goes down

5) To restrict impessonation type cases. Xmp -> Y

- 6) To protect from unwanted delay in transmission/route.
- 7) To protect the wandering data packets which may result into network congestion.
- Network Security reeds for computers.

It means to protect computer system from unwanted damage caused due to network. So the need arises—

(aused due to network, So the need arises—

1) It should be protected from replicating and capturing

- 2) It needs a proper portection from worms and bombs.
- 3) There is a need of protection from Trojain horses as they are enough dangerous for your computer.

A Krinciples of Network Security:

we should understand the importance of a strong security bolicy. By making a stoong security policy, unauthorised account can be better managed. Four basic principles are:

- 1) Confidentially
- 2) Integrity
- 3) Anthentication
- 4) Non-repudiation.

Besides et, ture more principles are

- 5) Access control
- 6) Availability