

Jan 2

UI Sem

RCA

Unit 1 - Basics

VNMS12

18-00

Q 1 What is computer network?

- ✓ A collection of autonomous computers interconnected by single transmission technology to exchange information is called computer network.
- A computer network is defined as the interconnection of 2 or more independent computers and peripherals.
- Computer network is an interconnection of autonomous computers connected together using transmission media

Q 2 Explain uses of Computer network 5M

1. Sharing of resources
2. Sharing of data and information
3. Sharing of load/workload
4. Saving of money
5. Simultaneous access
6. Improved personal communication
7. Flexible working environment
8. Easier data backup and high reliability
9. Remote data access
10. Internet service
11. E-commerce
12. Home applications
13. Mobile users
14. Social issues

1. Sharing of resources

- ✓ Every user on network can share a common colour printer
- Primary goal of computer network is to share all the devices, programs, data and files among several users on the network
- ✓ Resource sharing will reduce cost and space problem
- It is difficult to produce a separate colour printer to each and every user. So, if all the users are connected to network, then they share a common colour printer.

2. Sharing of data and information

- ✓ Computer network provides a mean to exchange the data and information among all the users who have connected to network

3. Sharing of load/workload

- ✓ In network environment, it is possible to share a large and complex task among several users who can work in parallel and get the result quickly via the network

4. Saving of money

- ✓ Resources such as processor (CPU), memory, printer etc can be shared among several users who have connected to network. So it saves money

5. Simultaneous access

- ✓ A central server maintains a database from which users can access data simultaneously

6. Improved personal communication