



1. What is a computer network?

Group of two or more computers linked together to share resources

(Hardware, software, data) and communicate with each other.

2. What are the advantages of networking?

- I. Can share the peripherals such as printer
- II. Can share data
- III. Media streaming
- IV. Communication
- V. Access from any workstation
- VI. Centralised administration
- VII. Set up access rights to different users
- VIII. Simultaneous access to internet

3. What are the network types based on the geographical area?

- LAN – Local area network limited to small geographical area like a room, building, department, school
- MAN – Metropolitan area network working on a area like a town or a village
- WAN – Wide area network, that connects computers that are remotely located such as in different networks, towns, continents

4. What are the network models

- I. Client server – Client machines and servers access the network and privileges depend of the access rights. Mobile devices, computers and laptops can access servers through the network. Servers have higher storage, processing speed, memory than clients. (Draw a diagram)
- II. Peer to peer – All computers have the same level of privileges and peers can access each other. (Draw a diagram)
- III. Ad hoc networks – Temporary network set up to share data or communicate
- IV. Tethering – Sharing of mobile devices internet connection with other devices. This can be done over 3 ways.
 - a. Wifi(Wireless LAN) – ex: mobile hotspot
 - b. Bluetooth -
 - c. Wired cable - Through a USB cable

5. What are the advantages and disadvantages of Tethering?

Advantages---->>

- I. Its easy to give your device and internet connectivity through your mobile data when there is no wifi
- II. It does not cost extra
- III. Can tether multiple devices
- IV. Does not need any extra devices or equipment

Disadvantages:---->

- I. Tethering can eat up your mobile data
- II. Since it uses 3G/4G , not as fast as wifi
- III. Also if you are in abroad, if you get only 3 G this won't work with roaming connectivity
- IV. It can also drain your phone battery (If you are tethering to a laptop with a USB cable attached to the phone, the phone gets charging)