Class VIII Chapter 1. Computer Networking

1. Tick the correct Answer
   1. PAN
   2. Connectors
   3. Mobile phone
   4. Twisted pair cable
   5. Client-server
2. True or false
   1. False
   2. True
   3. False
   4. True
   5. False
   6. False
3. Match the following
   1. Ii
   2. V
   3. Iii
   4. Iv
   5. I
4. Fill in the blanks
   1. LAN
   2. MAN
   3. Intranet
   4. Peer to peer
   5. Optical fiber cable
5. Very short answer type questions.
   1. Network interface card
   2. 1. Wired network medium: Twisted pair cable, coaxial cable, optical fiber cable

2. wireless network medium: Bluetooth, infrared, wi-fi, wi-max

* 1. Internet: the word internet means inter (between) and net (network) i.e. between the different network. Internet is a network of networks which spreads world wide. This network is open for all to share or access the information and to communicate with others.

Internet means network of networks, it is the biggest network in the world.

* 1. Wi-fi is a facility allowing computers, smart phones or devices to connect to the internet or communicate with each other wirelessly within a particular area.

1. Short answer type questions.
   1. LAN: Local area network is a network of two or more computers and peripheral devices spread within a small geography area(0 to 10 KM) like, a room, office, building or a campus. All the computer in the LAN can be connected through cables or wireless link for communication. The number of computers in a LAN can vary from two to several hundred computers. Due to small distance the data transfer rate is high with low data loss.

WAN: wide area network covers a very large geographical area, across the country or continent. The medium used to connect the computers in WAN can be the leased lines, fiber optic cables, wireless medium. Due to large distance the data transfer rate is low and the chances of data transfer error are more as compare to LAN.

* 1. Client-server network has a server for providing some specific applications and services to network clients. There can be multiple server with each server providing a specific type of service or a single server providing various services.

Peer to peer networks have computers which are equal in terms of their local resources and each one can work as a server and a client, when required. Peer to peer network can be used when there are small numbers of users or network cover very small area.

* 1. Various hardware and software required for connecting with network are: NIC, Transmission media, HUB, Switch, Router, Connector, Network operating software. Protocol etc. (write the explanation of each in two-two lines.
  2. Wired technology is also referred as Guided media due to a fixed path on which data travels. In this different types of wire are used to transfer the data.(twisted pair cable, fiber optic cable, co-axial cable) whereas in wireless networking no physical available to move the signals. (Bluetooth, infrared, wi-fi, wi-max)etc.

G. Application oriented questions

a. wi-fi can be used

b. WAN , the different devices can be used are Cables, HUB, Switches, NIC etc.