Chapter - 5

Internet Protocol

What is Network Protocol?

Network protocol is a set of guidelines that define communication between two or more devices over the network.

Write the names of some protocols?

There are several protocols, some of the protocols as follows:
☞ **IP or Internet protocol**
☞ **FTP or file transfer protocol**
☞ **HTTP or HyperText Transfer Protocol**
☞ **IRC or Internet Relay Chat**
☞ **SMTP or Simple Mail Transfer Protocol.**

What is Internet protocol(IP)?.

Internet protocol(IP) is the communication protocol contains the formats of digital message and rules for exchanging messages between computers across a single network or a series of interconnected networks.

Write two principals of IP?.

☞ **Unique identification of every device /user on the internet**

☞ **Identify the location of the device**.

Write two functions of IP?.

☞ **Send data to the correct recipients**
☞**Transmit data from source to destination**.

What is Transmission control protocol

Transmission control protocol(TCP) is a network protocol used as a communication standard that defines how to establish and maintain communication in the network through which computer programs can exchange data.

Write two functions of Transmission control protocol

☞**It establishes the connection and maintains it until the applications programs at each end have finished exchanging information**
☞**It determines how to break the data into packets that networks can deliver and send and accept data packets in the network**